

# IMPACT

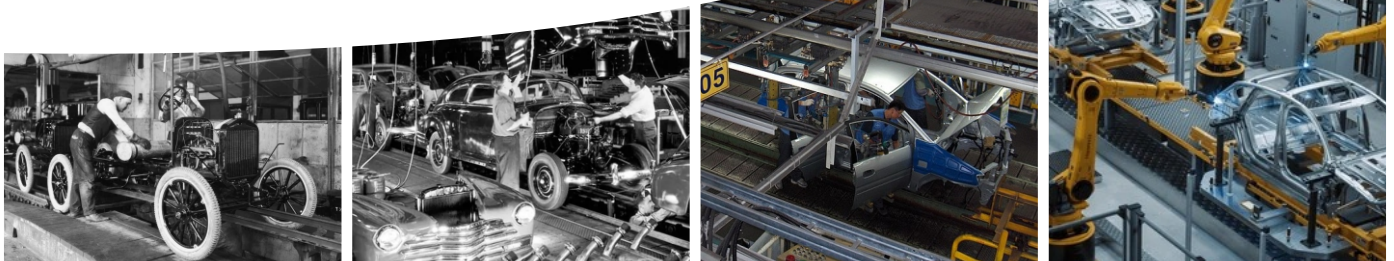
Vol. 17 No. 2

September, 2024

## ACMA Mobility Foundation (AMF) Driving Transformation



- ✓ Carbon Border Adjustment Mechanism
- ✓ Impact of Corrosion and corrosion prevention
- ✓ MSME Competitive Lean Scheme (MCLS)
- ✓ Success Stories
- ✓ ACMA Program Launches





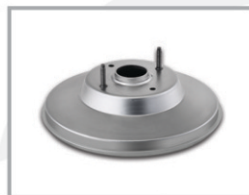
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## Chairman's Message

### ACMA – Technology and Industrial Competitiveness



Dear Reader,

I am happy to share with you, the Volume 17 - Issue 2 of IMPACT magazine, "ACMA Mobility Foundation - Driving Transformation" Issue.

Over its more than six decades of existence, ACMA has played a critical role in transforming the Indian auto component industry into a globally recognized and competitive sector. Today, with a membership of more than 970, the association continues to be a key driver of policy advocacy, industry collaboration, and technological advancement in the Indian auto component industry, making it one of the largest in the world.

To further the cause of auto component industry, creating more value for our members and also to integrate non-automotive players into the mobility value chain, ACMA Mobility Foundation is being created. The ACMA Mobility Foundation is an initiative of the Automotive Component Manufacturers Association of India (ACMA) focused on promoting sustainable and innovative mobility solutions in India. The foundation aims to address the evolving needs of the automotive and mobility sectors, particularly in the context of technological advancements, environmental concerns, and the shift towards more sustainable forms of transportation. By focusing on sustainability, innovation, and collaboration, it aims to contribute to the transformation of the Indian automotive and mobility sectors, ensuring that they are aligned with global trends and responsive to the challenges of the future. The foundation's work is expected to have a lasting impact on the development of a cleaner, more efficient, and more connected transportation ecosystem in India.

To keep abreast with the changing needs of the industry and for more technologically advanced and in-depth learning, ACMA Centre of Excellence, is closely collaborating with its international knowledge partners for last many years. The idea is to bring transformational programs, like – AOTS Program on AMOEBE Management in Japan, Step-up Program SINADE – 2 with BBW Germany, Certificate course in new technology with Dresden University, Germany, among others. Apart from the above-mentioned programs, ACMA is also engaging with VDA, Germany to roll out a very special initiative for women empowerment, gender diversity & inclusion and a Responsive Supply Chain Initiative, in line with UN's strategic development goals. These programs offer a balanced blend of theoretical knowledge and practical application, allowing trainees to rapidly absorb key concepts and immediately apply the skills and insights they acquire within their specific domains at their respective companies.

Notwithstanding the above-mentioned international programs, ACMA's in-house programs have also been realigned to match the ever-changing needs of the Auto component industry. ACMA's program on Robotics and Automation, Total Productivity Maintenance, Lean Tool Engineering, Equipment Maintenance and Optimization, Zero Defect Quality, Lean Manufacturing, Corrosion & its prevention; Aesthetics Quality and Customer Delight Enhancement Program; Engineering Excellence Program are very well received by the industry. The ACMA Mobility Foundation is also offering 'Plant Assessment' for Safety, Skill, Manufacturing Excellence and Energy.

Further, the ACMA COE is also rolling out the much awaited program for GET/DET/MT – Young Manufacturing Champions who have joined industry as fresh to make them ready for industry. This program is also being offered for final year students.

AMF's bouquet of programs on "Environment, Social and Governance (ESG)" is designed to cover all challenging aspects of industry. The offerings are – 5 days ESG Certification Program, ESG Assessment Program and an exhaustive 24 months, ESG handholding Program, Program on Carbon Footprint Reduction (18 months); program on Carbon Border Adjustment Management (18 months) and BRSR core compliance (18 months). You will find details of these programs in this issue.

Registrations for ACMA Excellence Awards 2024 are now open. These awards are most coveted today and are the highest recognition in our Industry. For more details, please visit. [www.acmaawards.com](http://www.acmaawards.com)

I am confident that you will make the best of all the upskilling/ relearning opportunities at ACMA Mobility Foundation and ACMA Centre of Excellence for enriching and skilling your workforce to the next level. This will make your organisation not only future ready but also an important contributor to our journey towards 'Viksit Bharat – 2047'.

I wish you all an enriching learning experience.

Best wishes  
**Vikrampati Singhania**



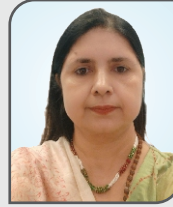
# Carbon Border Adjustment Mechanism (CBAM)



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Expert Cluster Programs



**Abhinav Rastogi**  
Dy Director, ACMA

## Introduction :

The European Green Deal set out a clear path towards achieving the EU's ambitious target of a 55% net reduction in greenhouse gas emissions compared to 1990 levels by 2030, 90% reduction by 2040 and to become climate-neutral by 2050. As the EU raises its climate ambition, there is a strong risk of so-called '**Carbon Leakage**' – i.e. companies based in the EU could move carbon-intensive production abroad to take advantage of laxer standards, or EU products could be replaced by more carbon-intensive imports. Such carbon leakage can shift emissions outside of Europe and therefore seriously undermine the EU's as well as global climate efforts. The Carbon Border Adjustment Mechanism (CBAM) is an environmental policy instrument designed to apply the same carbon costs to



imported products as would be incurred by installations operating in the European Union (EU) thus creating a level playing field. CBAM will support the EU's increased climate ambition and ensure that climate action is not undermined by production relocating to countries with less ambitious policies.



While ETS (Emissions trading system) is emissions driven, **CBAM is price driven** to provide motivation to importers and exporters to reduce their carbon footprint.

To provide businesses and other countries with legal certainty and stability, the CBAM is being phased in gradually and initially applies only to a selected number of goods in sectors at high risk of carbon leakage: **iron/steel, cement, fertilisers, aluminium, hydrogen and electricity** generation. In the transitional period, which started on 1 October 2023, a reporting system applies for those goods with the objective of facilitating a smooth roll-out and to facilitate dialogue with third countries. Importers will start paying the CBAM financial adjustment in 2026.

## Reporting Requirements :

During the transitional period, which started on 1 October 2023 and finishes at the end of 2025, the importing company must report at the end of each quarter emissions embedded in CBAM goods imported quarterly, without paying a financial adjustment, giving time for the final system to be put in place.

The first CBAM quarterly report was due by 31 January 2024 and it covered the reporting period 1 October 2023 – 31 December 2023. During the transitional period of the CBAM, from 1 October 2023 until 31 December 2025, the importer shall submit a CBAM report on a quarterly basis. This report shall include the information on the goods imported during the previous quarter and should not be submitted later than one month after the end of that quarter. The reporting calendar during the transitional period is outlined below:

REPORTING PERIOD	SUBMISSION DUE BY
2023: October – December 2024	January 31
2024: January – March 2024	April 30
2024: April – June 2024	July 31
2024: July – September 2024	October 31
2024: October – December 2025	January 31
2025: January – March 2025	April 30
2025: April – June 2025	July 31
2025: July – September 2025	October 31
2025: October – December 2026	January 31

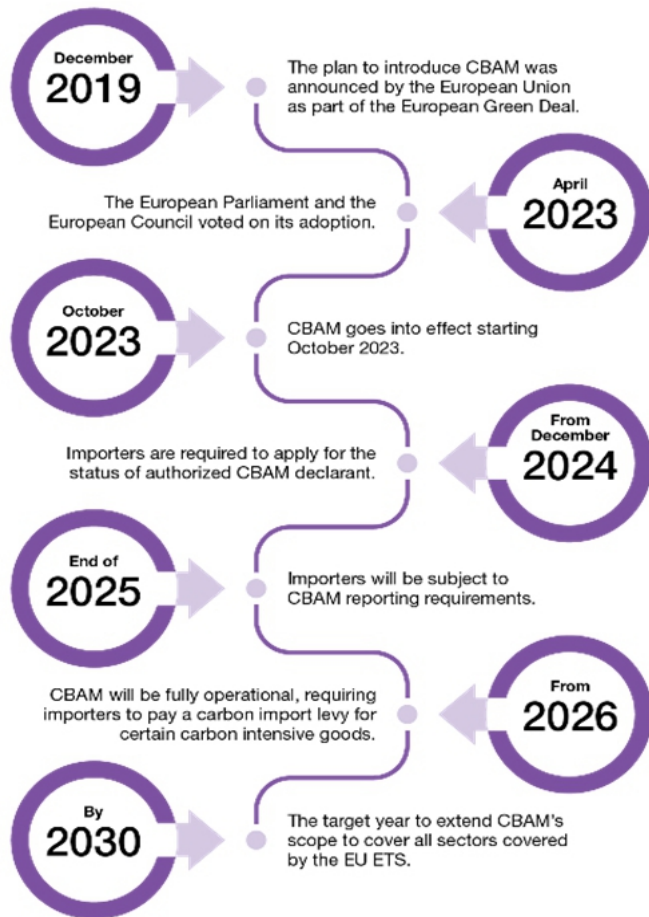
EU has stated that delays and inaccuracies in reporting of above-said quarterly data will attract **penalties ranging from €15~€50 per metric tonne** of unreported or incorrectly reported CO<sub>2</sub> emission.

By the end of the transitional period of the CBAM (end 2025), the Commission will undertake a full review of the implementation of the CBAM. Using data collected during that period, the review will, amongst others, look carefully into the possibility of extending CBAM to other goods and sectors at risk of carbon leakage.



## CBAM Roll-Out Plan :

### CBAM Implementation Timeline



## CBAM (or similar) Program Rollout by Other Countries :

### United Kingdom (UK) CBAM Proposal:

1. The UK has already declared that they will implement CBAM from 2027.

### United States Carbon Border Adjustment Proposal:

1. The United States has been considering the introduction of a carbon border adjustment mechanism as part of its efforts to address climate change and promote clean energy.

2. Various proposals have been put forward by policymakers, think tanks, and advocacy groups for the design and implementation of a U.S. CBAM, although no specific legislation has been enacted at the federal level as of yet.



## Other Jurisdictions' CBAM Proposals:

1. Other countries and regions, such as Canada, Australia, Japan, and South Korea, have also been exploring the potential implementation of CBAM-related measures as part of their climate policies.
2. These jurisdictions may consider adopting CBAM directives or regulations to address carbon leakage, promote climate action, and ensure fair and sustainable international trade.

## Requirements from Exporters :

### 1. Carbon Content Reporting:

1. Exporters may be required to provide information on the carbon content of their products or goods exported to the EU. This could involve reporting on the emissions intensity of production processes, energy sources used, and other relevant data to calculate the carbon footprint of exported goods.
2. Emissions reporting activity requires data accuracy as inaccuracies may attract penalty or over reporting may result into paying higher carbon tariff.



### 2. Verification and Certification :

1. Exporters may need to undergo verification and certification processes to ensure the accuracy and reliability of carbon content data provided.
2. This could involve audits, inspections, and assessments by accredited third-party organizations or certification bodies to validate carbon emissions data and compliance with CBAM requirements.

### 3. Documentation and Record-Keeping:

1. Exporters may be required to maintain records, documentation, and evidence of compliance with CBAM regulations.



2. This could include keeping detailed records of carbon emissions, production processes, energy consumption, and other relevant information to demonstrate compliance with CBAM requirements.



#### 4. Compliance with Carbon Pricing Mechanisms:

1. Exporters may need to comply with carbon pricing mechanisms or carbon pricing equivalents in their countries of origin to ensure consistency with CBAM regulations.
2. This could involve participation in emissions trading schemes, carbon taxes, or other carbon pricing mechanisms to internalize the cost of carbon emissions in the price of exported goods.

#### 5. Payment of Carbon Costs or Tariffs:

1. Exporters may be required to pay carbon costs or tariffs on their exports to the EU customer based on the carbon intensity of their products.
2. This could involve the imposition of carbon border adjustment tariffs to equalize the carbon costs between domestically produced and imported goods, ensuring a level playing field for EU and non-EU exporters.

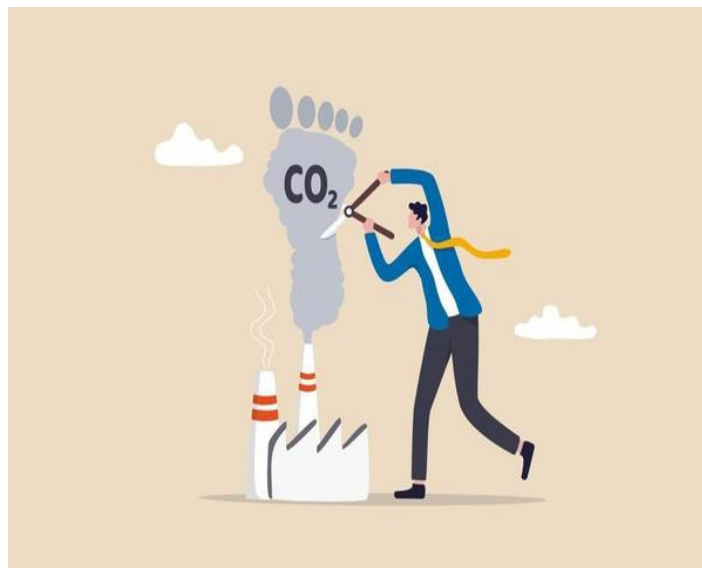
#### 6. Compliance with EU Regulations and Standards:

1. Exporters may need to comply with EU regulations, standards, and requirements related to environmental protection, climate change, and sustainability.
2. This could include adherence to EU product standards, labeling requirements, and environmental regulations to ensure compatibility with CBAM and other EU policies.

#### Implications of CBAM for Indian Exporters :

1. Shifts in Import Patterns: CBAM may lead to changes in import patterns as importers seek to minimize carbon costs by sourcing goods from countries / companies with lower carbon intensity or implementing carbon reduction measures in their supply chains

2. Diversification of Trading Partners: Importers may diversify their sourcing strategies and seek alternative suppliers to mitigate the impact of CBAM, leading to shifts in trading relationships and trade routes
3. Supply chain restructuring: Companies may restructure their supply chains to optimize sourcing and production processes in response to CBAM, including diversifying suppliers, investing in cleaner technologies, and reevaluating production locations
4. Integration of sustainability criteria: CBAM may drive the integration of sustainability criteria into supply chain management practices, encouraging companies to prioritize suppliers with lower carbon footprints and adhere to responsible sourcing standards
5. Price adjustments: CBAM may lead to price adjustments for imported goods to reflect the additional carbon costs, potentially affecting consumer demand and market dynamics
6. Price differentials: Price differentials between domestically produced goods and imported goods subject to CBAM may influence consumer preferences and purchasing decisions, impacting market competitiveness and profitability



#### Silver Lining :

Looking at the bright side, such a situation presents an opportunity for Indian auto component exporters with low carbon intensive products and processes, to enhance their business turnover in export markets. Exporters can invest in emissions reduction programs so that carbon trail of their products is reduced leading to lower CBAM tariffs. **Those ready in time (read January'2026) to meet CBAM obligations will benefit the most.**

### Which Companies can Get Impacted by CBAM :

- Those using Steel / Aluminium in their products
- Those currently exporting to any European countries
- Those currently engaged with European customers for future potential business
- Those currently not exporting to EU but have the possibilities to export in future
- Those planning to export to EU, UK, USA, Canada, Australia, Japan, Korea and others

### How to Mitigate CBAM Impact on your Business :

ACMA has designed a program to help companies exporting goods from India meet the CBAM obligations and to mitigate the CBAM impact burden when it takes effect. The "ACMA program on CBAM-Assessment, Guidance, Reporting and Impact reduction", aims to usher transitions to a cleaner and sustainable future through the conservation and efficient use of energy and other resources, and innovations in processes and materials to minimise waste.

This program is driven by ACMA's team of qualified experts and mentors who are trained by leading experts in Germany.

### The Roadmap Topics Include :

1. Grasping mandatory CBAM requirements
2. CBAM disclosures in reporting format
3. Measuring product carbon footprint
4. Direct Emissions Reduction (Production Process)
5. Indirect Emissions Reduction (Purchased Electricity)
6. Embedded Emissions Reduction (Pre-cursors)
7. Carbon Pricing
8. Data collection and regular reporting

### Program Deliverables:

1. Bringing clarity on CBAM disclosures
2. Clear guidance on implementation of CBAM
3. Hand holding on filling up of data in specified CBAM format
4. Defining system boundaries - for carbon footprint calculation
5. Reducing product carbon footprint
6. Reducing Company Carbon Footprint - Reduce GHG Emissions
7. Improve Energy efficiency – Reduce energy costs
8. Enhancing renewable energy content - Reduce energy costs
9. Improve Gross Yield – Reduce direct material costs
10. Reduce Consumables consumption – Reduce indirect materials costs
11. Reducing supply chain emissions – Focusing on direct and indirect emissions of supplier product lines
12. Standardisation of data collection – through Software

13. Capacity building: for workers / supervisors / managers to facilitate implementation of CBAM requirements

### Program Duration:

The duration of program is eighteen months, split into two phases of nine months each.

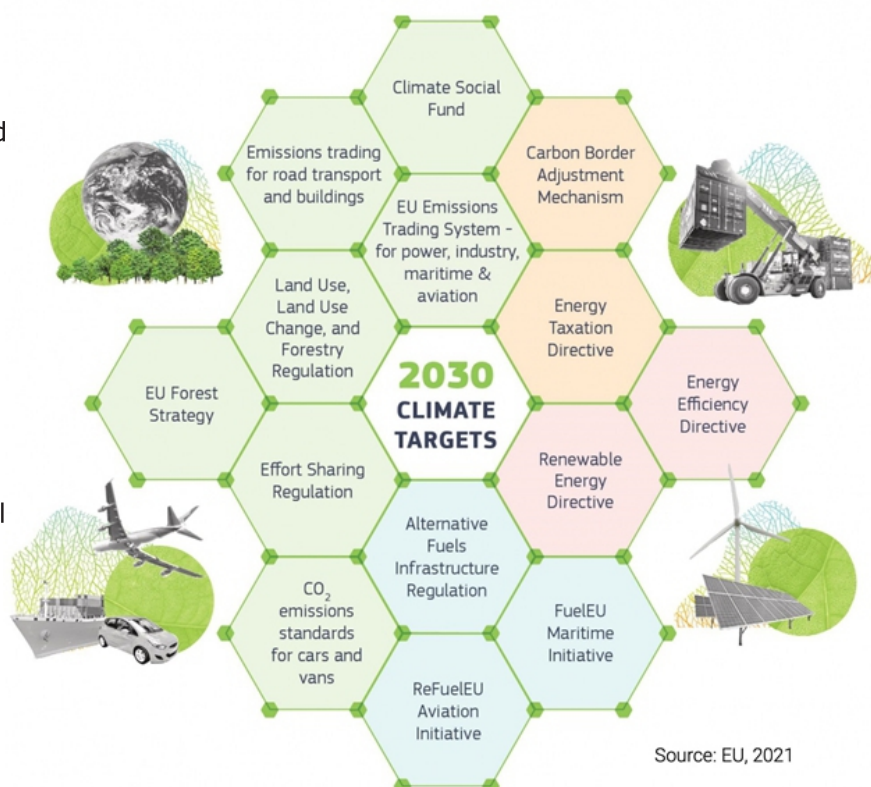
### Conclusion: Now is the Time to Act on CBAM:

As with any new regulation / scheme, there is a lot of anxiety about CBAM among the importing companies in EU and exporting companies in India. However, a lot of this anxiety is misplaced as CBAM requirements are not that difficult to implement. Since it is a new regulation, intervention / guidance from experts will help companies meet their obligations faster. At this time proactive action will help reduce risk of loss of business rather than waiting to take action when the regulation becomes effective. By then, the late comers would have already lost the competitive edge.

The bottom line is that investing in a CBAM program represents a practical and far-sighted approach to business-risk management. After all, companies that ignore CBAM requirements today will ultimately face greater costs in the future as their exposure to carbon tariff risks rises. Acting now represents an investment that will reduce downstream costs, improve future value, and strengthen a company's relationships with its diverse network of stakeholders.

### To know more about AMF's CBAM program you may reach out to us at :

- |                         |                           |
|-------------------------|---------------------------|
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| abhinav.rastogi@acma.in | sangeeta.sharma@acmamf.in |





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# AMF Aesthetics Quality and Customer Delight Enhancement Program



**Anupam Dass**  
Dy. Principal Counselor



**Arup Kumar Basu**  
Expert Cluster Program



**Ashok Havanurkar**  
Expert Cluster Program

In view of constant customer demand and customer driven mandates, there was a reiterating demand from membership, for a program on establishing Aesthetics Quality and Customer Delight suited to the needs of automotive component Industry. To fill this void my team has designed "**ACMA Aesthetics Quality and Customer Delight Enhancement Program**". This program provides 'end-to-end' solutions on Establishing Aesthetics Quality challenges faced on Day to Day basis to maintain Customer Brand Identity.

The program focuses on building capability within the organisation to meet all customer aesthetics quality requirements and establish world class aesthetics quality benchmark.

The program is driven through a 18 months roadmap. For program topics and deliverables, please refer roadmap placed below.

**The Roadmap Topics include:**

**1. Form and Function Integration**

- Employee Bonding and culture improvement
- Create function appealing
- Create components attractiveness

**2. Materials and Finishes**

- Influencing Material Aesthetics and Eliminating Surface Defects

**3. Aesthetics Consistency with Brand Identity**

- Improving Parts Handling
- Elimination of Colour variations
- Consistency in Components Gaps Matching
- Streamlining Finishing Processes
- Value adding Management

**4. Control Measures for Maintaining Aesthetic Quality**

- Enforce SOPs for all processes affecting aesthetics.
- Train employees on the importance of aesthetics
- Establishing Aesthetics Benchmark
- Employ automated inspection systems to detect aesthetic flaws
- Dock Audit
- Zero Defect Work stations

**5. Aesthetics Focused Customer Delight Enhancement**

- Customer focus and Delight
- Establish Aesthetics Culture Awareness importance
- Employee Morale improvement

**6. Re-Training (Sustenance -Culture)**

- Clarifications
- Sustenance
- Future Plans

**Program Deliverables:**

- Create function appealing
- Create components attractiveness
- Influencing Material Aesthetics
- Elimination of Colour Variations
- Consistency in Components Gaps Matching
- Establishing Aesthetics Benchmark
- Employ automated inspection systems to detect aesthetic flaws
- Enforce SOPs for all processes affecting aesthetics
- Establish Aesthetics Culture Awareness importance
- Employee Morale Improvement

**To know more about program please contact :** ashok.havanurkar@acmamf.in; anupam.dass@acma.in

**AMF Special Roadmap on Aesthetics Quality and Customer Delight Enhancement**

Time in Months	Phase 1									Phase 2									Deliverables
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	
1. Refreshing of all Trainings & Learning's 2. Holding gains ( Audits ) 3. Introduction to ACMA's other Pathbreaking Programs										Re-Training ( Sustenance Culture)									Clarifications Sustenance Future Plans
1>Welcome board, Customer visit photographs, Appreciation by customer, customer comments book 2. Prepare special areas at shop floor for demonstration to customer for best practices/System/Improvement 3. Feedback book for customers and visitors comments 4 Appreciation card for Employees										Aesthetics Focused Customer Delight Enhancement									Customer focus and Delight Establish Aesthetics Culture Awareness importance Establishing Regular Monitoring for aesthetic defects Employee Morale improvement
Creation of Model Cell 1. Standard Operating Procedures (SOPs) 2. Training and Awareness 3. Quality Control Checks 4. Use of Technology 5. Integrated QA / QC 6. Poka Yoke										Control Measures for Maintaining Aesthetic Quality									Enforce SOPs for all processes affecting aesthetics. Train employees on the importance of aesthetics Establishing Aesthetics Benchmark Employ automated inspection systems to detect aesthetic flaws Dock Audit Zero Defect Work stations
1. Visual Surface Defects 2. Colour In-consistency 3. Poor Assembly 4. Finish Quality 5. Task Force Identification										Aesthetics Consistency with Brand Identity									Improving Parts Handling Elimination of Colour variations Consistency in Components Gaps Matching Streamlining Finishing Processes Value adding Management
1. Common Aesthetics Defects 2. Common Material Surface Defects 3. Daily Work Management										Materials and Finishes									Influencing Material Aesthetics Eliminating Surface Defects
1.Components Visually appealing 2. Form and Function 3.Undesirable Habits on Shop Floor 4.Undesirable Practices on Shop Floor	Form and Function Integration									Create components attractiveness Create function appealing Cultural Improvement Employee Bonding									

\*Timeline mentioned in terms of month is a guideline and can vary as per the situation. All course contents must be delivered within the cluster program duration\*



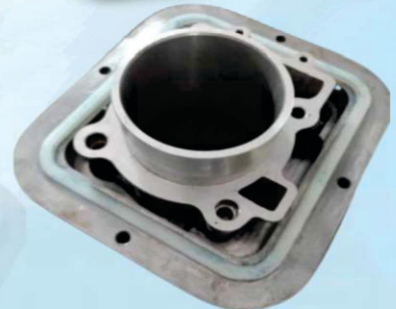


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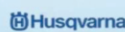
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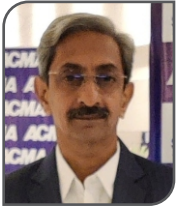
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# AMF Skill Assessment and Skill Development Initiative



**Vinayak Shrotri**  
Expert Cluster Programs

India is targeting to position itself a major global economic driver, as such it is important to convert its demographic advantage into skilled human resource. It's productivity increase, innovation index and investments attraction are subject to presence of skilled human resource. India's competitiveness

depends on a mix of skilled workforce. Considering these factors government has launched a scheme "Pradhan Mantri Kaushal Vikas Yojna" (PMKVY) which has made substantial contribution in skill training and certification however still there are gaps in formal skill developments of majority workforce.

Now a days we often here about China+1 strategy in manufacturing however India's manufacturing contribution to GDP is @15% whereas in China it is more than 25%. To make up for these investments are coming up in public infrastructure, Plants and machinery due allocation of the money to these facilities. Investments in these infrastructure related facilities are coming as one can see the visible difference in 1 to 3 years period. But to have more effective, efficient and long-lasting progress it is necessary to invest in human resource however it is not coming up in the same way in public and private enterprises as the results takes time to come up in a short span. As such Skill gap widens over a period of years mainly two reasons:

- a. Allocation of funds for investing in human capital
- b. Continuous technological advances demanding new/higher skill levels



Hence, we must focus on building the skills and talent required for tomorrow's jobs. Growth of high skilled workforce need to improve which will have its impact on competitiveness. We need workforce which is adaptable and agile. By mapping current skill levels and gaps thereof one can focus on specific skills availability, skill enhancing programs. By putting resources in human capital, we can turn its demographic advantage into more meaningful productive and qualitative output.



The Automotive Component Manufacturers Association of India (ACMA) has been proactive in promoting skill development within the automotive sector. Here are some of the key initiatives: -

ACMA's Pillar 3 Technology and Industrial Competitiveness focuses on enhancing the technical capabilities of the automotive component industry through various assessments, handholding support through cluster programs and experiential learning through ACMA Centre of Excellence at Sonipat. These initiatives aim to reskill / upskill the workforce to keep them abreast of the latest technological advancements.

Skill Development Programs: ACMA conducts numerous skill development programs tailored to the needs of the industry. These programs cover a wide range of topics, from technical skills to soft skills, ensuring a holistic development of the workforce.



Skills Assessment

EDITABLE STROKE





# The New MSME Competitive Lean Scheme (From 2022)



**Aniket Khasnis**  
Asst. Principal Counselor



**Ravindra Phatak**  
Expert Cluster Program

**Introduction :** The MSME Competitive Lean Scheme is a strategic program launched by the Government of India to provide targeted support to MSMEs in improving their competitiveness on both domestic and international fronts. The scheme, administered by the Ministry of Micro, Small, and Medium Enterprises, guided and monitored by the Quality Council of India and executed by ACMA, focuses on empowering MSMEs through a range of interventions aimed at enhancing their capabilities, market access, and overall sustainability.

## Key Features of the Scheme:

- Lean Organizations
- Strategic Interventions
- Capacity Building
- Market Access and Export Promotion
- Financial Assistance
- Technology Upgradation
- Monitoring and Evaluation



**Benefits and Impact:** The MSME Competitive Lean Scheme has demonstrated tangible benefits for participating MSMEs. These include improved product quality, increased market share, enhanced export capabilities, and a strengthened position in global supply chains. Additionally, the scheme has contributed to job creation and economic growth, further solidifying the role of MSMEs in India's economic landscape.

## Implementing Agency :



## Objectives of the Scheme :

- Optimization of Resource and Space
- Enhancement of Quality
- Reduction in Rejection Rate
- Enhancement of Productivity
- Introduction to Industry 4.0
- Enhancement of Knowledge and Skills
- Enhancement of Profitability
- Digital Empowerment
- Enhancement of Knowledge and Skillsets
- Safe Workplace



## MSME Competitive (Lean) Scheme Levels :



**Total 102 companies are registered. Planning to register 500+ companies in the next 3 month**

## Implementation of different levels :

	Basic	Intermediate	Advanced
<b>Participation</b>	Individual MSMEs	Group of Enterprise (GoE)	Group of Enterprise (GoE)
<b>Nature of group</b>	-	Heterogenous/Homogenous	Heterogenous/Homogenous
<b>Duration</b>	0-2 weeks	Starting from 3rd week - 4 Months (max.)	Starting from 5th Month or on completing the Intermediate Level whichever is earlier - 12 Months
<b>Phases</b>	Self Learning E-modules and examination	1. DSR and Action Plan (1 months) 2. Implementation Phase (2 months) 3. Final Phase (1 months)	1. DSR and Action Plan (2 months) 2. Implementation Phase (3 months) 3. Final Phase (3 months)
<b>Certification</b>	After Completion of each stage		
<b>Onsite Holding</b>	-	Min. 08 man days	Min. 16 man days



# The New MSME Competitive Lean Scheme (From 2022)

## LEAN Tools to be implemented [Based on the requirement as per DSR]

ACMA Special Roadmap on Enhancing MSME Competitiveness through Lean Techniques				
Topics	Basic Level	Intermediate Level	Advance Level	Deliverables
1 Product-Process Matrix 2 Product-Quantity Analysis 3 Takt Time 4 Cycle Time - VA/NVA Analysis 5 Flow Mfg - Line Balancing to takt time 6 Single piece flow layout (WIP/ No of stations) 7 Process Stability - Quantity&Quality 8 Concept of Inventory Management - Star Diagram 9 SMED (Single Minute Exchange of Die) 10 Poka Yoke (Mistake Proofing) 11 FIFO (First In First Out) 12 Standard Operating Procedure (SOP)			<b>Advance</b> <i>(Cultural Development)</i>	Selection of Product for Value Stream Mapping Study Selection of Product for Value Stream Mapping Study Understanding the Customer Demand Understanding the Current Process Meeting Customer Demand Reduction in variation in Hourly Production & Quality Reduction in variation in Hourly Establish material flow and handling system Uptime Improvement Defect-free Workstations Quality defect reduction Operator Ease & Standardization
1 Basic 5S - 5S Pledge 2 Undesirable Habits 3 Undesirable Practices 4 Must be Facilities - Audit Checksheet 5 Daily Work Management - Level 1 6 Daily Work Management - Level 2 7 Daily Work Management - Level 3 8 8 Types of Waste Identification and Elimination 9 7QC Tools / QCC 10 Employee Appreciation and Recognition Methodology 11 Team Building/Team Working (coffee with Manager)		<b>Intermediate</b> <i>(Preparing to Advancement)</i>	Management Commitment Self analysis toward adopting improvements Establish Desired culture to adopt improvements Employee Care Quick Response by Line Manager to the issues raised by Supervisor Quick Response by HOD to the issues raised by Line Manager Quick Response by management to the issues raised by HOD Cost Reduction Total Employee Engagement and Involvement Employee Motivation Employee Pride	
1 Understanding the Concept of Basic 5S 2 Basic Concept of Lean 3 Understanding the Concept of Kaizen 4 Understanding the Concept of Suggestion 5 Difference Between Suggestion and Kaizen 6 Visual Control - Visual Management 7 Introduction to Safety Management System & its elements 8 Introduction to Value Stream Mapping	<b>Basic</b> <i>(Key to Better Future)</i>	Joyful Shopfloor / 5S Audit Score Learning to See Understanding the role of Management Staff Total Employee Involvement Improvement Culture Promotion Visual Company Safe Workplace, Zero accident at workplace Clarity on concept of Value Stream Mapping		

## Monitoring of Intermediate and Advance Level

1<sup>st</sup> Stage (DSR Stage)

2<sup>nd</sup> Stage (Implementation Stage)

3<sup>rd</sup> Stage (Final Stage) : Physical by Implementing

Online by  
Implementation Agency (IA)

Agency along with MSME  
Development and Facilitation  
Office (DFO) official.



## Implementation of different levels

	Basic Level	Intermediate level	Advance Level
<b>Implementation Cost (Max. Per unit)</b>	Free	₹ 1,20,000 + Taxes	₹ 2,40,000 + Taxes
<b>Beneficiary Contribution per Unit</b>	-	10% of Total Cost of Implementation i.e. ₹ 12,000 + Taxes per unit (Max.)	10% of Total Cost of Implementation i.e. ₹ 24,000 + Taxes per unit (Max.)
<b>GOI Contribution</b>	-	₹ 1,08,000 + Taxes (max.)	₹ 2,16,000 + Taxes (max.)

90% subsidy on implementation cost of consultant fees for the MSMEs.

To know more about program please contact : aniket.khasnis@acma.in (9922922007); ravindra.phatak@acmamf.in





# Shaping the Future of Mobility in India!

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At ZF Group in India, we're redefining mobility for a safer, smarter, and more sustainable world. Our cutting-edge technologies empower vehicles to see, think, and act, making driving safer, efficient and comfortable.

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see. think. act.





# Strategic Supplier League Development



**Dinesh Vedpathak**  
CEO - Technology &  
Industrial Competitiveness

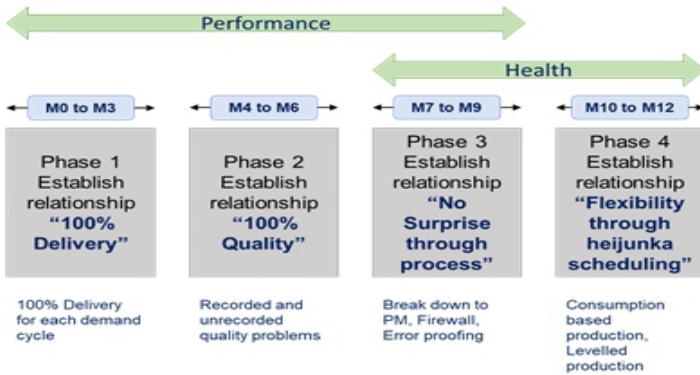


**Girish Govande**  
Head  
Supply Chain Engagement

The suppliers are continuously evaluated by their customers on various parameters. A "good" supplier is an outcome of multiple parameters. It is not the cost point or the location or the technology or some other single point. The customers are in continuous search of suppliers which they want to work with as a long-term strategy. This particular customer company worked out strategy as "Grow – Fix – Exit" for the classification of their suppliers.

The customer company wanted to develop better relation with the suppliers in Grow and Fix category, as a "process". We developed a yearlong program to develop the relationship between customer and supplier. The supplier – customer relationship is multi-dimensional as mentioned above. However, the levers such as cost point or the location advantage are not regularly in operation. Quality and Delivery are experienced by the customer practically every day. These parameters are very influential in deciding goodness of relationship with customer.

In our program we focus **first on the performance** that is delivery and Quality; and **then on Health of the supplier operations**. We define performance parameters for quality and delivery for every cycle of customer demand. These parameters are not measured and monitored so far. For e.g. we start measuring "ok delivery cycles". If the delivery happens on time, in full quantity and without defect the delivery cycle is counted as OK. This is counted for every demand cycle of the customer, which is typically every day.



In order to achieve this as a process, we define and establish the delivery conditions such as delivery cycle, unit size, delivery frequency and delivery time. Once these conditions are defined, the delivery planning and shipment becomes organized. Supplier sets up a shipping bay and shipping board

in the despatch area. This reduces the search time and time to make the delivery ready. The daily delivery schedule is communicated to the customer at fixed time and in a fixed format every day.

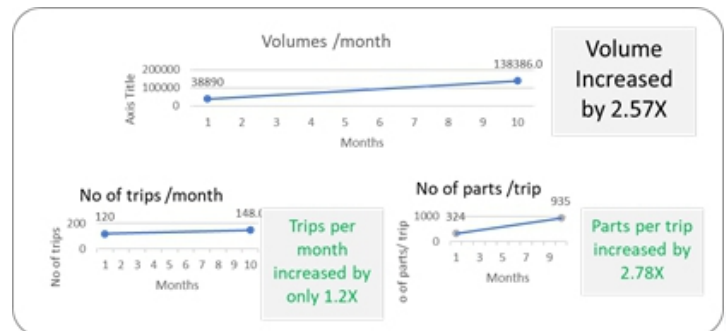


The key performance indicators in this program are therefore different. They are delivery performance for every cycle, vehicle turnaround time at supplier despatch, quantity per shipment, number of trips per thousand numbers etc. After implementation of this new delivery system, buyers at customer plant are relieved of chasing suppliers for supplies. The daily MIS sheet keeps them well informed about the materials they are going to get in a day. The typical expression is "phone calls are drastically reduced".

As a next step, we work on the quality front. Here we meet the quality people at customer end and the supplier. There are multiple parameters which are not mentioned in the drawing but are an irritation to the customer if not followed. This can be as simple as marking orientation on the job or roundness of some corner of the job. It also builds clear channel of communication in case of reporting any quality problem by customer or giving information about the clean point in the next supplies.

The key principles used in the program are:

- Let there be no surprise. If the customer is given information in time and every time, the relationship is better.
- Customer needs material every day, every shift. The delivery therefore has to focus on every demand cycle. Accumulating quantities and delivering at random times does not help customer for smooth production.
- The quality of the products is not always limited to drawing dimensions. Understanding the tacit needs of the customer is necessary to improve quality and relationship.
- Giving confidence by providing consistent point of contact, helps building better relationship.



The results are quite encouraging and we have completed two batches so far. The third batch is likely to start in a short while now. This one-year program has covered more than 40 suppliers supplying to multiple business units of the customer.

# Success Story of AMF Staff Development Program



**Girish Govande**  
Head  
Supply Chain Engagement

Leadership is necessary at every level in the organization. After discussion with several entrepreneurs, we realized that following five qualities are necessary in every individual in the organization. These are namely:

1. Decision Making,
2. Communication,
3. Cost Awareness,
4. Customer Centricity and
5. Problem Solving Attitude



Our "Staff Development Program" is designed to build these qualities in the high potential candidates in an organization. There are few unique features of this program that made it successful.

1. We take candidates from all areas of operation such as Manufacturing, Quality, PPC etc.
2. The Program runs for a year and there is continuity of inputs, given in a series of session.
3. The participants are provided with a forum and opportunity to explore their potential through various assignments and projects.

We find that the participants improve in their personal habits and capabilities such as behaviour, punctuality, use of data, reporting, working in teams and challenging their fear of failure etc.

The participants form small groups and take up projects, that are necessary to improve the overall operation of the plant. These are technical or administrative in nature. Some of the projects can be referred here are as below:

1. Reducing the processing time of a tool room work order
2. Cost control on consumables – particularly for rubber hand gloves for oil handling
3. Reduction in getting financial approval of various items and services for plant



4. Ensuring delivery of parts on time in full, for every demand cycle

5. Reducing dust level in a sand plant

The results are significant and a pleasant surprise to the management

By doing this, we find that participants engage as a team irrespective of their departments. At the same time, their multifunction spread helps getting support and resources from all functions. The teams challenge the issues, which otherwise a single department of individual may never take up.

At the end of the year long program, typically 25% members outperform others and can be entrusted with higher responsibility.

So far, we have done eight such batches and almost all the companies want to repeat this program for their remaining workforce. There can be no better testimony for the worth of this program.





## 2W EV Product Solutions



Traction CVT System



Hub Motor



Mid Drive Motor



Rubber & Steel Braided cables



Transmission Seals



Wheel Hub Seals



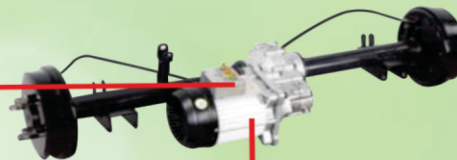
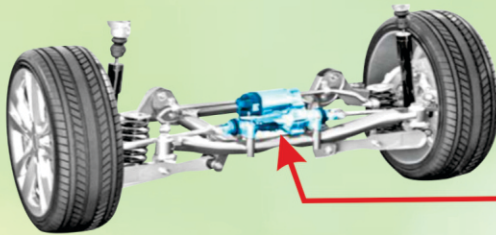
Fork Seals



Moulded Rubber Parts



## 3W/LCV E-Axle Solutions



Motor

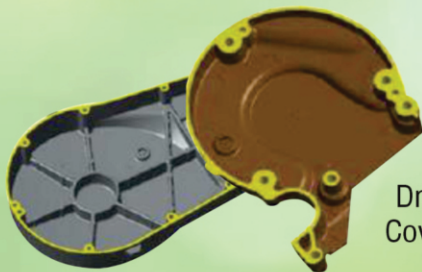


Controller



Gear Box

## Light Weight Solutions



Drive Covers



Swing arm & Fork Components



Composite Leaf Spring



### JKF Evolve Limited

(Subsidiary of J.K. Fenner (India) Limited)

Factory : Sipcot Industrial Complex, Nilakottai, Pallapatty, Nilakottai,

Nilakottai Industrial Park, Dindigul, Tamil Nadu, 624201

Registered Office: 3, Madurai - Melakkal Road, Kochadai, Madurai - 625 016.

+91 452 - 4283800 ✉ [filmdu@jkfenner.com](mailto:filmdu@jkfenner.com)



# Culmination of AMF Equipment Maintenance & Optimisation Program, Sansera

## PROJECT TEAM



ACMA

**Mr. Sunil Mutha**  
Deputy Executive Director & Mentor



**Mr. Jayant Thipse**  
Expert - Cluster Program



Sansera  
Engineering

**Mr. Gautam Gangodkar**  
Plant Head, Sansera



**Mr. Vivek Bajaj**  
Sr. Manager, Sansera

### BEFORE



**Operator Bending Down for Starting The Cycle**

### AFTER



**No Need to Bend Down - Button Mounting Bracket Modified**



**Door Movement Derail**



**Door Guide Rail Design Modified**



**Chiller Guards Were Missing Both Side**



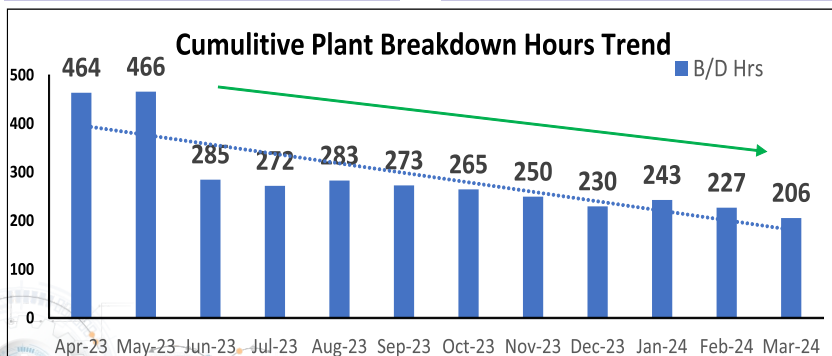
**New guards provided in all sides of the chiller to avoid mist deposition in the copper tubes.**

ACMA is the platform that makes industries aware of the best bench marked practices in various business processes. This outside in perspective is greatly helping manufacturers to improve and migrate to the improved practices. ACMA has evaluated our business and gave us triggers to view the same metrics in a different way which in turn has opened new opportunities and enabled us to work towards continuous improvement and I am thankful to ACMA Mr. Sunil Mutha and Mr. Jayanth Thipse for support and guidance.

**Gautam Gangodkar**  
Plant Head

### Achievements

Overall Score 98 %



### Appreciation for Good work





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**GABRIEL**

**Haldex**



**HL Mando**



**POWER**



**MAHLE**

**SUJÁN**

**Valeo**





# Voice of Happy Customer

## RKFL Jamshedpur

We got the following benefits from AMF EEC 6 :



**Chethan Murthy**  
Cluster CEO-Plant III

- Total employee involvement improved.
- Team is ready to take challenge for out of box ideas.
- The new concepts like Lean hydraulic, lean pneumatic, lean coolant, lean tooling is very useful for improvement.
- The VA NVA concept really useful tool for faster productivity improvement
- The ACMA staff and cluster companies provided technical support & solution, which made all of this feasible.

## India Forge & Drop Stampings Limited, Faridabad



**Samir Sood**  
Managing Director

The ACMA Advance Cluster 17 program has been instrumental in elevating our Faridabad facility towards achieving World Class Manufacturing standards. Since its launch in April 2024, this engagement has equipped our team with essential skills and best practices, driving substantial progress. We have already seen notable improvements and initiated strategic initiatives that are starting to deliver impressive outcomes. We deeply value the insights and knowledge gained through this program, which are grounded in ACMA's extensive experience over the years, leading to continuous improvements. We are confident that the full benefits of this program will continue to unfold in the months ahead, and we are eager to sustain this momentum for ongoing growth and enhancement.



## National Industries Unit III - Ludhiana



**Gurmeet Singh**  
Plant Head

The ACMA Advance Cluster 16 Program has resulted in a turnaround development of our plant through comprehensive counselling, training by ACMA team. The initiative is aimed at improving manufacturing processes and operational efficiency of the plant. There is a breakthrough improvement

by implementing 5S, QC Circles, Value Stream Mapping, Lean Balancing and SMED (Single-Minute Exchange of Die). These practices helped us enhance manufacturing processes, improve quality, double productivity, increase safety, and boost overall operational efficiency & morale of the employees.

### Some breakthrough Achievements:-

- Production Per man doubled on Model Line
- Value Added Ratio improved by 40% on Model Line
- Productivity doubled on 14 product lines
- Plant preparation time reduced from 3 days to 60 min
- 100% involvement of management staff in contributing 1 kaizen per person per month
- Overall Savings of approx. Rs. 6 Cr P.A.





## Uniparts Ltd. Visakhapatnam



**Hari Buddhiraju**  
AVP

EEC Helped us for :

- Breaking the Barriers fo team to try New things
- Facilitating Culture change in overcoming fears.
- Skill Development - thru lean lubrication, lean Pneumatics, Lean Hydraulics, Lean Coolant and lean Electrical
- Finding out of box ideas & implementing same-Focus on VA/NVA
- Co Learning, Co-Growing along with Cluster Companies
- Excellent Focus and drive from Uniparts Plant Leadership - Thota, Prasad, Jaya Rao, Khadar, Seshavardhan and Palesh.
- All this was possible due to excellent support from ACMA team - Jayant and Mentor Guidance from Sunil & Dinesh.

## JK Fenner



**Mohana Sundaram.N**  
Plant Head

The ACMA ZDQ Cluster 2 journey has been a transformative experience for us. We are deeply grateful to ACMA ZDQ Cluster 2 for providing this wonderful opportunity. Under the expert guidance of Mr. Sunil Mutha and Mr. Ashok Havanurkar, our journey was not only insightful but also enjoyable and engaging.

The concept of reducing and ultimately eliminating defects in processes and products has brought significant benefits to our organization. It fostered a mindset focused on doing things right the first time, emphasizing prevention over correction. This shift from accepting a certain level of defects to striving for Zero Defects marked a profound cultural change. It pushed us to set higher standards and look beyond our initial goals.

The journey revolutionized our approach to teamwork. From top management to hands-on employees, everyone became focused on identifying, measuring, and eliminating errors. As we reflect on this journey, we realize how much we've learned and how effectively we've worked together, often pushing beyond our perceived boundaries. This collaboration has led to the successful elimination of many defects on our model lines, and we are now extending these improvements across other lines.

Once again, we extend our heartfelt thanks to ACMA ZDQ Cluster 2 for their mentorship, guidance, and unwavering support throughout this journey, helping us to achieve these milestones effectively and on time.

## Uniparts India Ltd

### Our ACMA Cluster Program Journey



**Jyotbir Singh Sethi**  
Country Head

I am thrilled to share the remarkable journey of Uniparts India Ltd. as we implemented the ACMA Cluster Programs across our plants in Noida, Vizag & Ludhiana. Our unwavering commitment to excellence and continuous improvement has been recognized with ACMA Excellence Awards for all three plants—a testament to the hard work and dedication of our teams, as well as the invaluable guidance from ACMA counsellors.

Advanced Cluster Programs at Noida and Ludhiana Plants: Recognizing the substantial benefits from our initial implementation, last year we extended the Advanced Cluster Programs to our Noida and Ludhiana plants. This extension has been equally transformative. Our shop floors now exemplify cleanliness and adherence to 5S concepts. Through continuous training and development, we've empowered our workforce to embrace cutting-edge technologies and best practices, resulting in heightened productivity and reduced operational costs.

Engineering Cluster at Vizag Plant: Our ACMA journey began five years ago at our Vizag plant. Current Engineering Cluster Program became a cornerstone of our operational strategy, enabling us to enhance our engineering capabilities, streamline processes, and foster innovation. By adopting advanced engineering practices—such as "Lean Hydraulics," "Lean Pneumatic," and "Lean Electricals"—we have significantly transformed our shop floor. The result - tremendous improvements in 5S practices, increased floor space efficiency, and elevated product quality, positioning us as industry leaders.

Impact and Future Outlook: These cluster programs haven't just enhanced our operational performance—they've also contributed significantly to the overall growth and sustainability of our business. As we continue to innovate and strive for excellence, we remain steadfast in upholding the highest standards of quality and efficiency.

I extend my heartfelt gratitude to ACMA for their unwavering support and recognition. Together, we will continue to drive progress and set new benchmarks in the manufacturing industry.

# ACMA Mobility Foundation

## Centre of Excellence (ACoE), SAKSHAM, Training Calendar (September 2024)

#	Program Name	Program Date	Key Deliverables:	Training Fees for ACMA Members	Last Date to Apply	Mode of Training
2024/Sep /01	Complimentary (physical) Workshop on <b>Advanced Automotive Testing for E-Mobility - Innovations Best Practices</b>	2-Sep-24	To explore the latest trends and innovations in automotive testing solutions. To understand the specific testing requirements for EV batteries, including cells, modules, and structures. To delve into the hardness and tensile testing methodologies for various automotive materials. To identify common errors in testing and learn best practices for accurate results	Complimentary Entry  <a href="https://forms.gle/GYBrco2xuj1ph5Yh7">Link - https://forms.gle/GYBrco2xuj1ph5Yh7</a>	30-Aug-24	Physical @Pune ACMA Office
2024/Sep /02	<b>Factory Automation</b> <b>PLC &amp; HMI Control System</b>	11 to 13 Sept 2024	This program adopts a project-based learning approach, allowing participants to gain practical insights into PLC and HMI concepts. The emphasis is on real-world application, enabling participants to design, program, and troubleshoot PLC and HMI systems through hands-on projects	Up to 2 nominations: 12,500+GST per participant 3 to 5 Nominations: INR 10,500+ GST per participant 6 or more nominations: INR 8,500+ GST per participant	8-Sep-24	Physical
2024/Sep /03	<b>Finance for Non-Financial Professionals</b> Enhancing Strategic Decision-Making	17 & 18 Sept 2024	Gain insights into Profit and Loss Accounts, Balance Sheets, and Cash Flow statements. Understand the intricacies of working capital management and its significance. Explore the impact of cash flow on business operations.	Up to 2 nominations: INR 10,000+ 18% GST per participant. 3 to 5 nominations: INR 8500+18% GST per participant. 6 or more nominations: INR 7000+ 18% GST per participant.	15-Sep-24	Physical
2024/Sep /04	<b>Additive Manufacturing Fundamentals</b> An Immersive Hands-On Experience in Hi-Tech Additive Manufacturing Labs	18 to 20 Sept 2024	<b>Advanced AM Techniques:</b> Explore LPBF, DfAM, and other cutting-edge additive manufacturing technologies. <b>Hands-On Demos:</b> Gain practical experience with FFF and M-SLA machines at NIT Delhi. <b>Industry Insights:</b> Learn about materials, metallurgy, post-processing, and certification in AM. <b>Business Cases:</b> Understand the commercial viability of AM through real-world applications	Up to 2 nominations: INR 20,500+ 18% GST per participant. 3 to 5 nominations: INR 18000+ 18% GST per participant. 6 or more nominations: INR 16500 + 18% GST per participant.	15-Sep-24	Physical
2024/Sep /05	The 5 Core Tools of Quality Management <b>APQP, PPAP, FMEA, MSA &amp; SPC</b>	23 & 24 Sept 2024	Detailed understanding of APQP, PPAP, FMEA, MSA, and SPC. Practical skills to implement these tools in real-world scenarios. Enhanced ability to identify and mitigate quality-related risks. Certification of participation from ACMA Mobility Foundation.	Customised program / Planned at Company Premises	-	Physical @Company Premises
2024/Sep /06	<b>Hands-On CNC Machining: Practical Skills for Operators and Supervisors</b>	24 & 25 Sept 2024	Hands-on experience in CNC setup, operation, and maintenance. Basic CNC programming for standard tasks Tool selection and management. Routine maintenance and troubleshooting expertise	Up to 2 nominations: INR 12,000+ 18% GST per participant. 3 to 5 nominations: INR 10,000+ 18% GST per participant. 6 or more nominations: INR 8,500+ 18% GST per participant.	20-Sep-24	Physical
2024/Sep /07	<b>Supply Chain Excellence: Strategies for Efficiency, Resilience, and Sustainability</b>	24 & 25 Sept 2024	Efficiency Optimization. Resilience Building. Sustainability Integration. Supplier & Global Management	Up to 2 nominations: INR 15,500+ 18% GST per participant. 3 to 5 nominations: INR 14,000+ 18% GST per participant. 6 or more nominations: INR 12,000 + 18% GST per participant.	20-Sep-24	Physical
2024/Sep /08	<b>Industry 4.0</b> <b>an Overview</b>	26 & 27 Sept 2024	Mastery of Industry 4.0 principles with RFID integration. Proficiency in deploying RFID technology in manufacturing contexts. Advanced understanding of RFID data analytics and its role in process optimization. Hands-on experience in implementing RFID solutions within Industry 4.0 frameworks. Enhanced awareness of challenges and strategies for successful RFID integration.	Up to 2 nominations: INR 12,000+ 18% GST per participant. 3 to 5 nominations: INR 10,000+ 18% GST per participant. 6 or more nominations: INR 8,500+ 18% GST per participant.	22-Sep-24	Physical
2024/Sep /09	<b>Driving HR Excellence</b> Digital Innovations and Leadership Development	26 & 27 Sept 2024	Comprehensive Modules: Internet's role in HR, leadership, and strategic planning. Interactive Learning: Case studies and discussions on modern practices. Expert Guidance: Led by HR consultant Ms. Kavya Saxena. Practical Insights: Tools and strategies for immediate use.	Up to 2 nominations: INR 12,500+ GST per participant. 3 to 5 nominations: INR 10,500+ GST per participant. 6 or more nominations: INR 8,500+ GST per participant.	22-Sep-24	Physical
2024/Sep /10	ACoE Safety Webinar <b>IDENTIFY YOUR RISK Safety Culture Assessment and safety environment enhancement</b>	27-Sep-24	Identifies strengths and weaknesses. Enhances risk awareness and reduction. Improves organizational performance. Protects lives and boosts reputation	<a href="https://acmaindia.webex.com/webinar/register/r6733c10220fcca415a00c3aa34b7ce40">Link - https://acmaindia.webex.com/webinar/register/r6733c10220fcca415a00c3aa34b7ce40</a>	27-Sep-24	Virtual @Webex



# ACMA Excellence Awards (2024)

## Honor Automotive Component Manufacturers' Outstanding Achievements

The ACMA Excellence Awards, the prestigious event celebrates the exceptional contributions and achievements of auto component manufacturers, who are honored with a award across various categories.

The ACMA Excellence Awards, a hallmark event in the automotive industry, recognized outstanding performance in NPDD, manufacturing, ESG, Safety, localization, Excellence in Tier 2 Supplier Development and exports. Through these accolades, ACMA acknowledges the unwavering dedication & innovation demonstrated by auto component manufacturers in India.

The ACMA Excellence Awards ceremony will be graced by esteemed guests from both the Government of India and the Industry.

The ACMA Awards categories are **now available for 7 different domains**

- (i) Excellence in Exports
- (ii) Excellence in New Product Design & Development (NPDD) & Localization
- (iii) Excellence in ESG
- (iv) Excellence in Manufacturing
- (v) Excellence in Digitalization
- (vi) Excellence in Safety
- (vii) Excellence in Tier 2 Supplier Development.

Applications to be submitted by ACMA members, Non-Member companies encouraged to apply for ACMA Excellence Awards, 2024 by becoming ACMA members through the express membership process, ACMA- UNIDO Cluster Companies & The Member Auto Component Companies of VDA, Germany those operating from India can apply directly, in categories as prescribed under the guidelines.

The awards applications under multiple categories will be submitted online at [www.acmaawards.com](http://www.acmaawards.com), applicant Companies / Corporates will be solely responsible for the authenticity of the submission of the documents online. ACMA reserves authority to verify the authenticity of the documents as and when considered necessary.

Company Group turnover – Basis of classification: Categories based on Company or Group Turnover.

The plant or corporate are encouraged to apply by choosing the correct Group Company Turnover (FY 2023- 24) criteria as mentioned under ACMA Excellence Awards 2024 guidelines section at awards website [www.acmaawards.com](http://www.acmaawards.com).

### Categories of Companies (Plant and Corporate Level) Group Turnover

- |               |                     |
|---------------|---------------------|
| 1. Small      | Up to INR 50 Cr     |
| 2. Medium     | >INR 50 to 250 Cr   |
| 3. Large      | > INR 250 to 750 Cr |
| 4. Very Large | > INR 750 Cr        |

### AWARDS APPLICATION GUIDELINES AND CONDITIONS

- i The company group sales turnover for the FY 2023-24 (including all registered plants) of applicant / ACMA

Member company will be considered for ascertaining turnover of the company / corporate under the companies' categories of Small, Medium, Large, or Very Large.

- ii The non-ACMA member companies are encouraged to apply for ACMA Excellence Awards, 2024 by becoming **ACMA members through the express membership process**. To become ACMA Member contact ACMA Awards administrative team for processing the ACMA membership application. **(The ACMA Awards team contact details are mentioned on next page)**
  - iii **To apply through online awards, applicant company must be enrolled as a member .**
  - iv Past & Present participant Companies of ACMA- UNIDO Cluster Program can apply even if they are non-members of ACMA. However, they are encouraged to become ACMA members to avail higher benefits through ACMA domestic and international activities.
  - v VDA Member companies in India (Component Suppliers) are eligible to apply for ACMA Excellence Awards even if they are non-members of ACMA.
  - vi Virtual Site assessment of applicant plant / Corporate is mandatory under award process evaluation for category mentioned guidelines above. **Approval for online site assessment is deemed consented by the applicant company once the Award application is submitted online.**
  - vii Last year's (2023) Gold Award winners are prohibited to apply this year (2024) in same categories in which they won gold in the year 2023. However, Gold winners for 2023 are open to apply for other categories where they have not obtained gold awards in the year 2023.
  - viii Application fees to be paid within seven days of receipt of invoice.
  - ix **Special Encouragement** (Award application fee is waived\* off for **Plant level awards** if the plants meet any or all the following criteria(s)
    - Plants who have employed 15 % or more female employees on the shop floor. The 15% of women's Employment is to be calculated considering the complete and overall strength of the Plant
    - Plants employed 5 % or more differently-abled employees across the Group. The 5% of differently-abled employees across the plant are to be calculated considering the complete and overall strength of the plant.
- To avail above waiver, you will have to upload duly signed declaration in prescribed template in company profile.**
- Note: \* Waiver of fees as mentioned above is applicable for plant level awards only and **not applicable for the corporate level awards 2024.**

## Benefits of ACMA Excellence Awards

### 1 Opportunity to explore the potential of the organizations

- While filling application organization realizes the strengths and opportunities for Improvements.
- During the assessment, ACMA's experienced assessors give brief feedback to the plant which highlights current & Existing industry-based practices in vogue.
- On completion of a detailed assessment of plant/company, ACMA provides a detailed report wherein point-by-point observations are documented and plant/company may refer to same for improvement purposes.
- Meet industry experts and gain contacts - ACMA's awards ceremony is not only about the prizes and the accolades. We spend the day on annual summit in communicating with players in the industry and potential customers, which will be more productive than you think.
- Getting visibility and exposure to customers
- Award finalization is done by eminent (OEM) Original Equipment Manufacturers, and leaders as our esteemed Jury Panel.
- Networking opportunity During Grand Award Ceremony. Moment to get connected with OEMs and other component manufacturing companies at global level.
- Detailed information about Award winners is published in a special edition of the ACMA periodical - "IMPACT" is circulated pan India and Globally. The "IMPACT" is distributed to component manufacturers as well as OEMs. It is also prominently showcased on the ACMA website <https://www.acma.in/impact.php> Event, award, and winners get wide coverage by prominent Media

### 2. Benefits to the applicant organization/ companies

- Recognition of excellent performance in the industry
- Motivation to organizations and employees who are striving for the excellence

- Clear understanding of improvements needed to elaborate performance to the next level
- Motivates organization to aspire for winning awards in various areas.

### 3. Why ACMA EXCELLENCE Awards

ACMA is a neutral body conducting this Award process since 1966

Entire award process is independent and shortlisting and finalization of winners is done by OEM leaders as Jury. The Award is one of its kind and follows a transparent & complete digital process which makes the application process easy, robust, and user-friendly.

#### Online Awards Application Submission Procedure

**ACMA Excellence Awards Application Templates for prescribed for 7 (Seven) categories for the year 2024. Details are available in the online system [www.acmaawards.com](http://www.acmaawards.com)**

- Awards application(s) to be submitted through (DAAS) Digital ACMA Awards System, online systems only. Applicants are advised to go through the application templates before filling online application carefully.
- **Detailed guidelines for filling online applications are available on the home page of [www.acmaawards.com](http://www.acmaawards.com)**
- Companies, while submitting online applications for ACMA awards, be certain to furnish all relevant information correctly and as per the best of their knowledge and records. The submitted applications will be considered final for further processing and evaluation at different stage of award process.
- Applications submitted online with incomplete, incorrect data & without customer details will not be processed / evaluated and will be liable to disqualification from participating in the Award process.
- **ACMA Excellence Awards 2024 – (DAAS) Digital ACMA Awards System will be live until 30th September, 2024** and same can be accessed by using the URL [www.acmaawards.com](http://www.acmaawards.com)

**In case of any queries, ACMA Awards Team may be contacted**

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### Connected



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The wired truck model has been created using AI.



# ACMA Robotics and Automation Program

- Utilisation
- Optimisation
- Maintainability
- Opportunities

## Topics covered

- Total Employee Involvement
- Basics / Utilization of Robotics & Automation
- Optimization of Robotics & Automation
- New Scope for Robotics & Automation
- Re-Training



## Introduction to the Program

Today, robots have become an integral part of manufacturing industries. Robots are used in industries to perform various operations like material handling, processing operations, assembly and inspection. Also, these robots has made our work easy and efficient – resulting in improved Productivity & Quality. ACMA brings an entirely new and 1st of its kind program for maximum utilization, optimization and maintainability for the industrial automation and robots in the automotive industry.

**Program duration - 24 Months**

For more details please contact:  
Ms. Sangeeta Sharma | ✉ [sangeeta.sharma@acma.in](mailto:sangeeta.sharma@acma.in)

ACMA understands the challenges you face and is committed to empowering your organization with a strategic approach that can transform the way you operate. Total Productive Maintenance (TPM) is more than a methodology; it's a philosophy that empowers organizations to achieve the highest level of operational efficiency by involving all employees in the continuous improvement of equipment, processes, and systems. By systematically eliminating losses and downtime, TPM drives productivity, quality enhancement, and overall profitability.

## Special Program for



## Practices Implementation



### Topics Include :

- Employee Involvement and Routine Management
- Autonomous Maintenance
- Planned Maintenance
- Kobetsu Kaizen (Focused Improvement)
- Quality Maintenance
- Re - Training

**Program Duration: 18 Months** (Split into two parts of Nine months each)

**ACMA Special Program for TPM Implementation** offers several valuable benefits for individuals and organizations in the automotive and manufacturing industries. This program focuses on equipping participants with essential tools and methodologies to enhance operational efficiency, quality, and competitiveness.

**For details please contact**

Mr. Sunil Mutha on [sunil.mutha@acma.in](mailto:sunil.mutha@acma.in)

Mr. Jayant Thipse on [jayant.thipse@acma.in](mailto:jayant.thipse@acma.in)

**JOIN  
NOW**



# AMF Special Program on Corrosion Control and Prevention

## Topics Covered

- Understanding & Mapping of Corrosion
- Economics, Impact and Causes of Corrosion
- Addressing Corrosion and Corrosion Prevention
- Process Controls for Corrosion Prevention
- Corrosion Control
- Auditing for Corrosion Free Plants

AMF understands the challenges you face and is committed to empowering your organization with a strategic approach that can transform the way you operate. Corrosion is the deterioration of materials, typically metals, due to chemical reactions with the surrounding environment. It can lead to the weakening, degradation, or failure of equipment, structures, and components, and it can have significant economic, safety, and environmental consequences.

AMF Corrosion Control and Prevention Program is necessary for industries to enhance asset reliability, reduce costs, ensure product quality, promote environmental responsibility, enhance safety, and maintain competitiveness. By implementing these practices, industries can operate more efficiently, sustainably, and profitably.

**Program Duration - 18 Months**

**For more details please contact:**  
Mr. Sunil Mutha | ✉ [sunil.mutha@acma.in](mailto:sunil.mutha@acma.in)  
Mr. Jayant Thipse | ✉ [jayant.thipse@acmamf.in](mailto:jayant.thipse@acmamf.in)

## Driving Transformation: The Road Ahead for Logistics and Supply Chain Excellence



**Pawan Jain**  
Founder & Chairman,  
Safexpress Pvt Ltd.

In today's rapidly evolving business environment, transformation is no longer a choice but a necessity. At Safexpress, we have always been at the forefront of innovation and adaptability, ensuring that our services not only meet but exceed the expectations of our valued customers. As we navigate through the complexities of a dynamic global market, the need to drive transformation across all facets of our business has never been more critical.

Transformation is not just about adopting new technologies or processes; it is about a fundamental shift in mindset. It requires us to rethink the way we approach challenges and opportunities, to foster a culture of continuous improvement, and to remain agile in the face of change. At Safexpress, our commitment to excellence has been the cornerstone of our success, and it is this same commitment that propels us to lead the charge in driving transformation within the logistics and supply chain industry.

In the logistics sector, where precision, speed, and reliability are paramount, digital transformation plays a pivotal role. We have invested significantly in cutting-edge technologies, from AI-driven analytics to IoT-enabled tracking systems, to ensure that our operations are more efficient, transparent, and responsive than ever before. These advancements not only enhance our operational capabilities but also empower our customers with greater visibility and control over their logistics processes.

However, technology alone cannot drive transformation. It is the people behind the technology who make the real difference. At Safexpress, we pride ourselves on our talented and dedicated workforce, whose unwavering commitment to our mission of delivering excellence is the true catalyst for change. We have made significant strides in upskilling our teams, fostering a culture of innovation, and creating an environment where every employee is encouraged to think critically and contribute to our collective success.

Our partnership with the Automotive Component Manufacturers Association of India (ACMA) further underscores our commitment to driving transformation across the industry. By collaborating with ACMA, we are able to better understand the unique needs and challenges of the automotive sector, ensuring that our logistics solutions are tailored to support the growth and competitiveness of India's automotive component manufacturers. Together, we are working towards creating a more efficient, resilient, and future-ready supply chain ecosystem.

As we look to the future, I am confident that our continued focus on driving transformation will enable us to not only meet the challenges of tomorrow but to seize the opportunities they present. The road ahead is filled with potential, and by staying true to our core values of innovation, integrity, and customer-centricity, we will continue to lead the way in setting new benchmarks for logistics and supply chain excellence.

In closing, I would like to extend my heartfelt gratitude to our customers, partners, and employees for their unwavering trust and support. Together, we are not just driving transformation; we are shaping the future of the logistics industry.

Thank you

Warm regards,

**Pawan Jain**

Founder & Chairman,

Safexpress Pvt Ltd.





# PROGRAM ON

# ACMA

## ESG

Program Duration : 24 Months

### Topics to be covered

- Understanding ESG
- Environment Stewardship
- Energy Management
- Water Management
- Safe and Joyful workplace
- Human Capital
- Societal Stewardship
- Governance
- Sustenance

ESG stands for Environmental, Social, and Governance. Investors and Customers (including automotive OEMs) are increasingly applying these factors as part of their analysis process to identify material risks and growth opportunities.



### Social



### Governance

### Environmental

- Quantification of Scope 1, 2 & 3 Emissions
- Energy Efficiency
- Primary & Secondary materials efficiency
- Process Waste – Reduce, Reuse, Recycle
- Zero liquid Discharge
- Zero waste to landfill
- Water neutral

- Safety
- Ergonomics
- Employee Engagement & Development
- Gender Diversity
- Community connect
- Carbon Offsetting – Afforestation, Water harvesting
- Renewable Energy

- ESG Policy
- Actions for Sustainability
- Business Ethics
- Supplier Code of Conduct
- Employees' Code of Conduct
- Performance reporting
- Board composition

- Carbon Footprint Reduction
- Specific energy consumption reduction
- Material waste reduction
- Other waste reduction, recycling

- Water consumption reduction
- Zero accidents
- Improved employee productivity
- Reduced energy costs
- Brand building

- Clear structure with defined roles & processes
- Improved Decision Making
- Greater shareholder value, better P/E ratios

To know more about AMF's ESG program you may reach out to us at :

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# Full Spectrum of AMF Programs

## Futuristic/Upcoming Programs

- Industry 4.0 / AI
- Electric Vehicle Support Program
- Enhancing Innovation
- 
- **Assessment Programs**
- Safety
- Manufacturing Excellence
- Productivity
- Skill
- Energy Efficiency
- Digitalization / Industry 4.0
- Environment, Social & Governance (ESG)

## List of Clusters Programs

- AMF Program on Environment, Social and Governance (ESG)
- AMF Special Program for Business Responsibility and Sustainability Reporting -Core Compliance Program
- AMF Program on CBAM- Assessment, Guidance, Reporting and Impact Reduction
- AMF Carbon Footprint Reduction Program
- AMF Zero Defect Quality Cluster
- AMF Zero Defect Plus Cluster - Zero defect in NPD process (only after ZDQ completion)
- AMF Engineering Excellence Cluster
- AMF Advance Cluster - Lean Manufacturing
- AMF New Product Development Foundation Cluster
- AMF New Product Development Design Cluster
- AMF Tool Engineering Cluster
- AMF Low Cost Automation Cluster
- AMF Rudimentary Framework Program
- AMF Human Resource Cluster
- AMF Program on Robotics & Automation - maintainability & Optimization
- AMF Aesthetics Quality and Customer Delight Enhancement Program
- AMF Program for TPM Practices Implementation
- AMF Special Program for Corrosion Control, Dents & Damage Prevention
- AMF special Program for Equipment and Utility Maintenance
- AMF Supply Chain Improvement Program
- AMF Program for Quality System Adherence

## List of Programs / Projects

- AMF Wow Effect - Complete turn around project
- AMF Robotics and Automation Program
- AMF Deskillling of Manufacturing Activities
- AMF Equipment Maintenance & Optimization Program
- AMF Special Lean Process Engineering for Plastic Industries
- AMF Special Lean Process Engineering for Forging Industries
- AMF Special Lean Process Engineering for Foundry Industries
- AMF Special Lean Process Engineering for Fabrication Industries
- AMF Daily work Management Program
- AMF Uptime Improvement
- AMF Lean implementation Program
- AMF Special Projects on Zero Defect
- AMF Asset Turn Ratio Improvement Project
- AMF Productivity Improvement Project
- AMF Quality Adherence Project
- AMF Breakeven Point Reduction Program
- AMF New Plant Initiation Project
- AMF Material Flow Cost Accounting - MFCA program
- AMF Management By Objective - Improvement Project
- AMF Paint shop Optimisation & Modernization Project
- AMF Through Put Rate Improvements Project - Bottleneck Management
- AMF Working Capital Improvement Project
- AMF Performance Enhancement Project
- AMF Employee Participation, Involvement and Engagement Project
- AMF Manufacturing and Process Engineering Project
- AMF Safe Working Culture development program
- AMF Engineering Improvement Project
- AMF Inventory Improvement Project

**To know more about program please contact :**

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# AMF Program Launches





# AMF Program Launches





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Trucks	Routes	Pincodes	Days Operations	Warehousing Space	Airport Connectivity	Gateways

\*Data as on 1<sup>st</sup> September 2024

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