

Chapter –1

Outline of ALP Aeroflex (I). Pvt. Ltd

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1) Company Profile:

i) Brief History & Company Profile

Introduction of ALP Group

ALP Group is a USD 200 million Group, founded in 1985, is globally acknowledged as the pioneer in Polymer based products in India. The Group has been in the business for 35 years, having manufacturing Units in 7 states of India & 2 Units in Africa and Australia. ALP group consists of 11 companies with a presence around the globe and employs over 2,000 trained workforce & 200 expert professionals.

ALP Group 11 companies are 1-ALP Aeroflex ,2-ALP Overseas,3-ALP Nishikawa,4- ALP Polymer park, 5-ALP OZ Auto Moulds,6-BTB tools,7- ALP Africa, 8-ALP USA INC 9-Gold Glass ALP,10-ALP GIEG Spain,11- ALP GIEG Germany.

ALP Aeroflex India Pvt. Ltd. & Aeroklas Co. Ltd., Thailand formed a strategic alliance in 2019. Aeroklas, the technical partner, is a member of the Eastern Polymer Group (EPG)

This new Business division for manufacturing Blow Molded Parts has been setup with an objective to meet the dynamic demands of the automotive industry.

It has 2 State-of-the-art manufacturing facilities, One is at Gugalkota Rajasthan for manufacturing of all Blow Molded panels & other one in Nashik to assemble the complete Hard Top for Mahindra & Mahindra Thar Vehicle with Robotic Assembly lines.

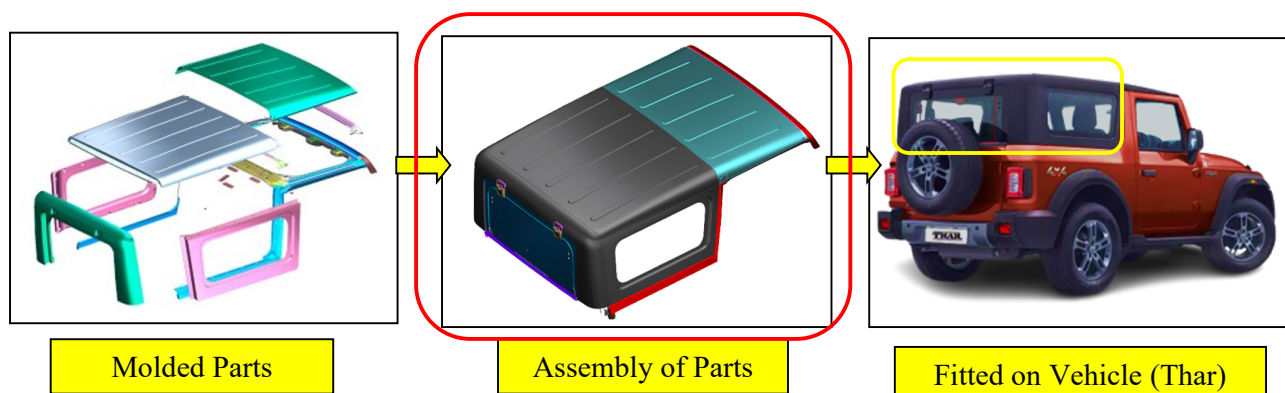
ALP Aeroflex First Unit Established in 2019 is located at Nashik, Maharashtra and is one of the leading Blow Moulding Parts Assembly Unit for M&M Thar Vehicle, and the Main Customer is Mahindra & Mahindra Vehicle manufacturing OEM.

ALP Aeroflex Second Unit Established in 2019 is located at Gugalkota Rajasthan and is one of the leading Blow Moulding Parts with eight Blow Moulding machines of capacity ranging from 27 Liter to 60 Liters. This plant has land area of 9301 Square meters.

ii) Product, Process & Organization Structure

Product Description:

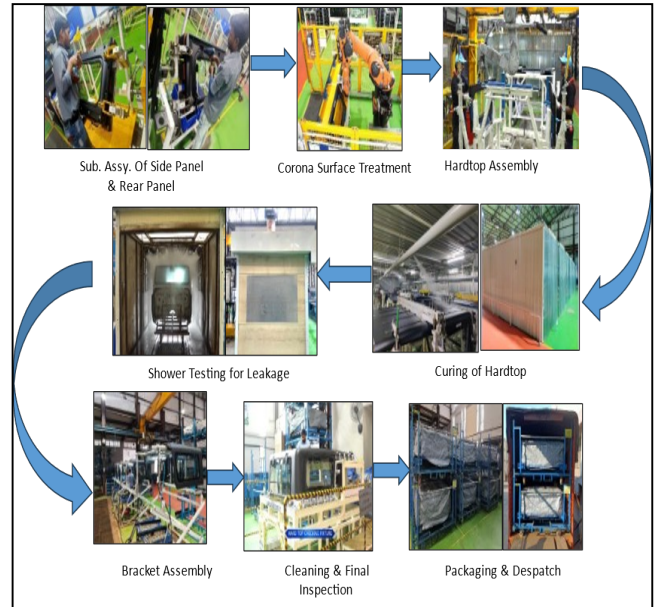
We are manufacturers of Blow Molded Parts in Gugalkota Unit and Assembly in Nashik Assembly Unit. This is first time introduced technique globally as a sustainable process.



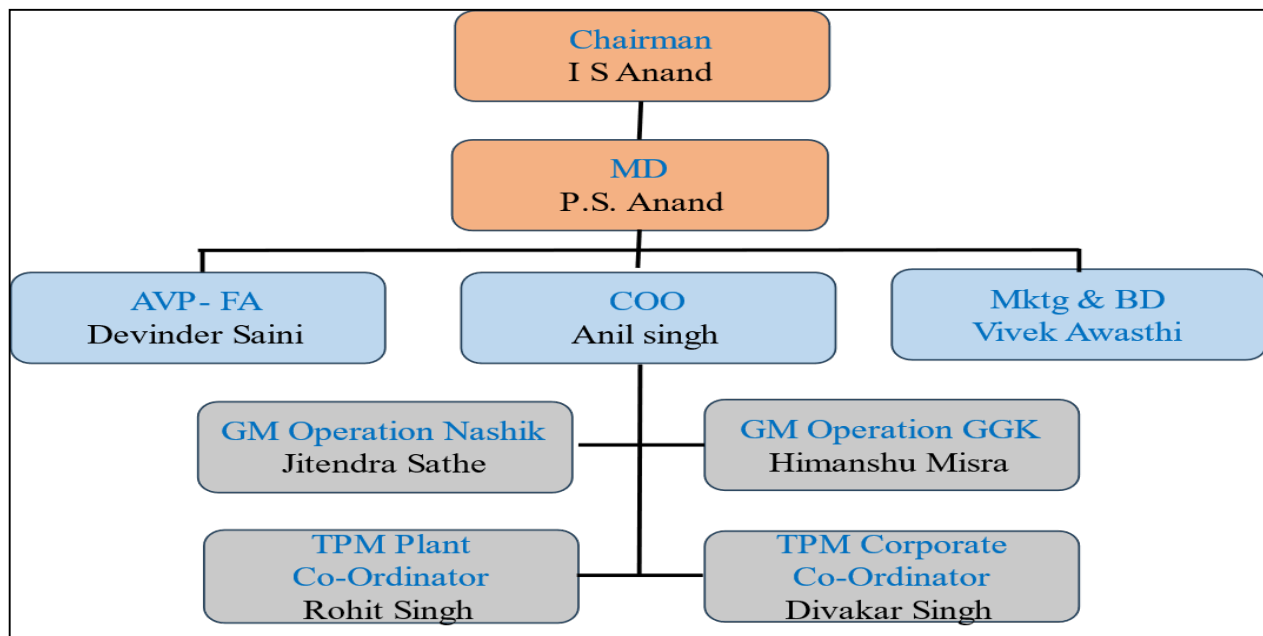
ALP Aeroflex (I) Pvt. Ltd.

Manufacturing Process Flow:

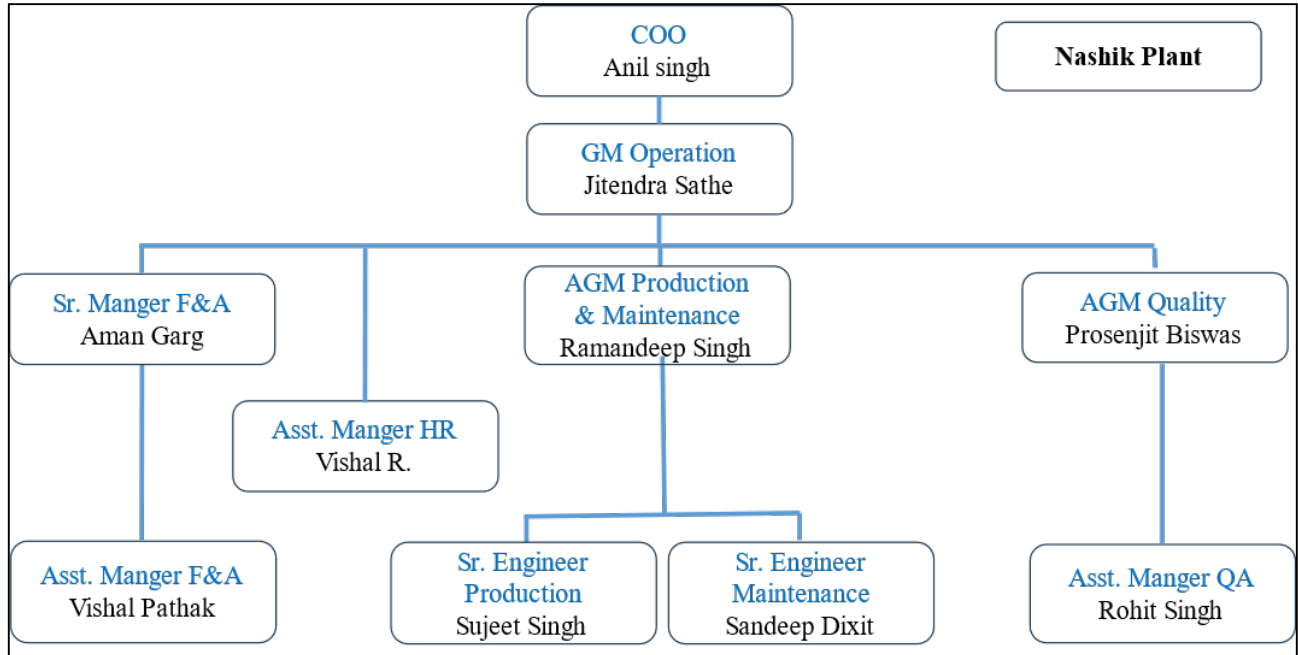
S.N	Manufacturing Process
1	Sub-Assy of Side Panel & Rear
2	Corona Surface treatment
3	Hardtop Assembly
4	Curing of Hardtop
5	Shower testing for Leakages
6	Bracket Assembly
7	Cleaning & Final Inspection
8	Packaging & Dispatch



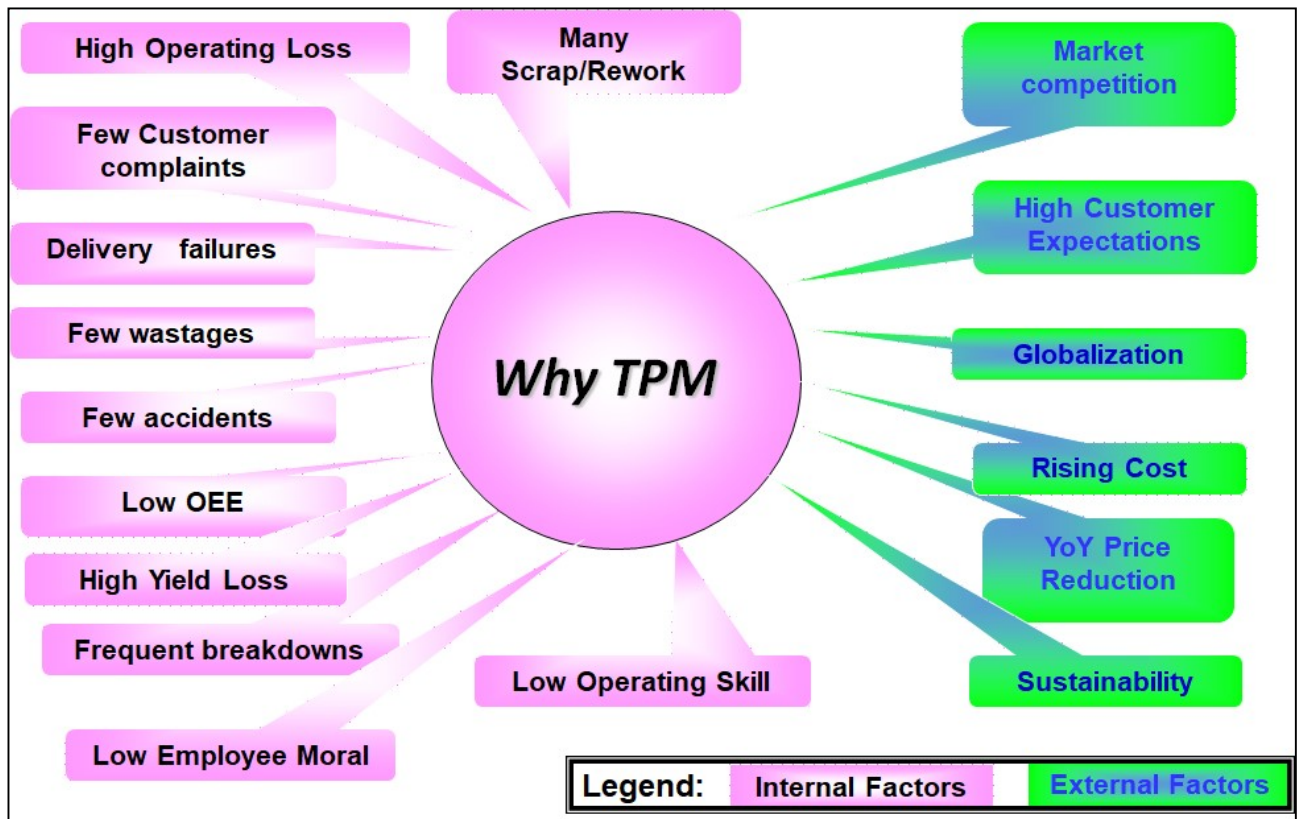
ALP Group Level Organization Chart:



Plant Level Organization Chart:

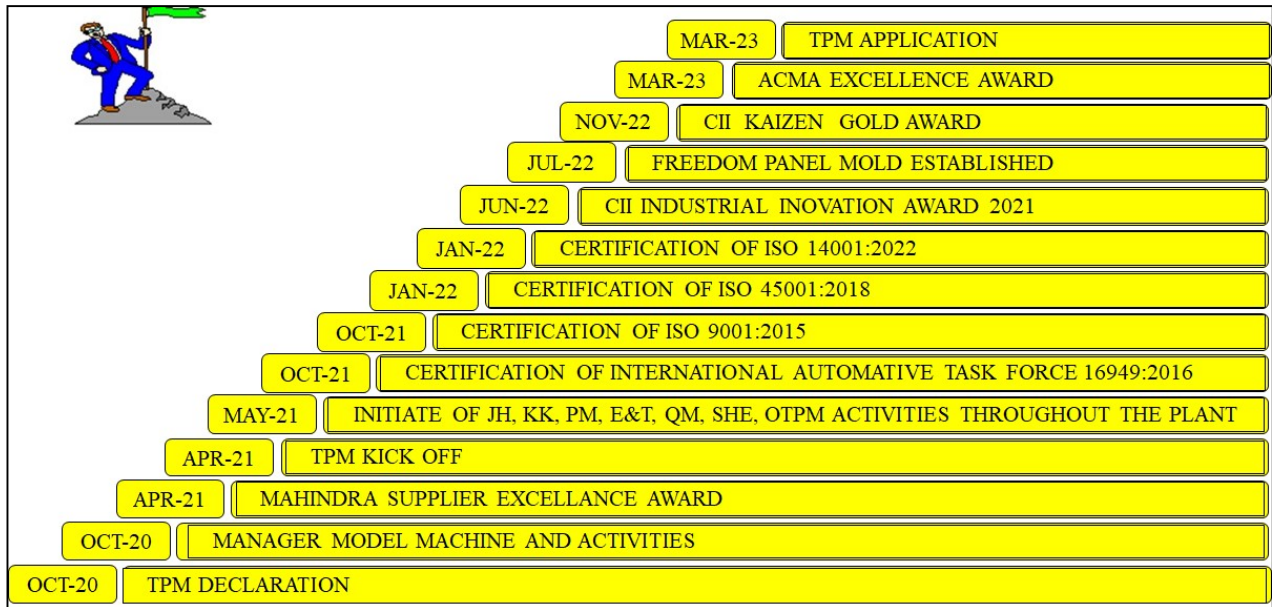


Milestone on the journey of manufacturing Excellence:



We are striving to optimize Overall Equipment Effectiveness (OEE). However, this crucial business goal involves a difficult balancing act between maximizing equipment performance and the risk of incurring machine failure and lost time.

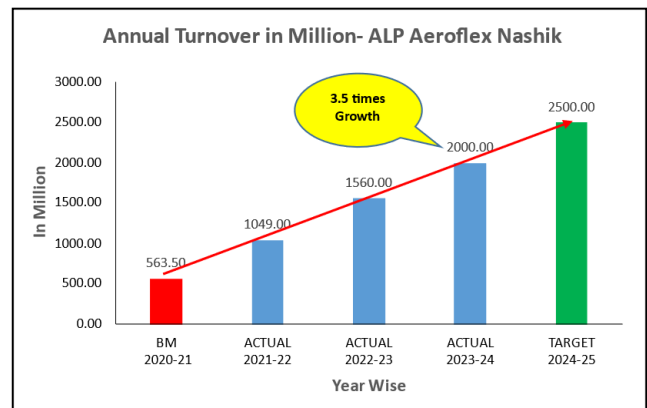
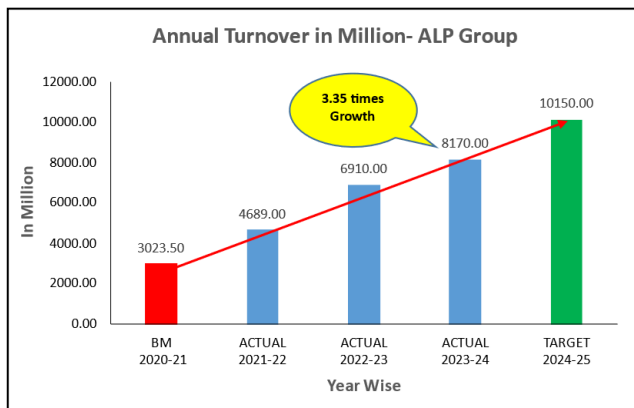
Leveraging the benefits of digital, data-driven solutions, TPM empowers us to effectively maintain our production Assembly lines through heightened visibility and workforce transformation.



Milestone:

3) Benefits achieved:

i) Tangible Business Result



ALP Aeroflex (I) Pvt. Ltd.

- ii) **Intangible Result:** After Implementing Total Productive Maintenance, skill of our employee improved in every area, Employee started using the Problem Solving, TPM Circle activity, which developed their mind & motivated them too.



Award Distribution by MD Sir



Award Distribution by MD Sir



TPM Awareness by MD Sir



Atmanirbhar Excellence Award 2022

With the help of Total Productive Maintenance, we were able to engage employees in Kaizen & Suggestion activities, 100% involvement & Created ownership of Machine as well as every area of plant.

Some of the Initiative in last 3 years as:

Total 04 Six Sigma Yellow Belt Project Done.

Total 02 Six Sigma Green Belt Project Done.

18 Nos TPM Circle Activities are going on.

Apart from this every pillar has done multiple loss reduction project.

4. Key of our manufacturing Excellence

TPM Declaration Date: Oct-2020



Lamp Lighting by Plant Head during TPM Kick-off Ceremony

TPM Kick Off Date: Aprl-2021



Lamp Lighting by Operator during TPM Kick-off Ceremony



Plant head addressing employees during Kick off ceremony.



Plant Head Kick-off football during Kick-off ceremony

i) Our Experience

Implementing TPM in our plant was a roller coaster ride as initially it was difficult for everyone to understand the concept of it. But when we started Manager Model Machine activity & spreaded the knowledge of TPM to everyone than it become the way of life.

Our people too enjoyed the TPM learning & implemented wholeheartedly which resulted in overall improvement. Our team have learnt about improvement methodology & implemented multiple projects as Quality Circles, Six Sigma Yellow Belt, and Six Sigma Green Belt & Six Sigma Black Belt. We have also implemented Lean Projects & VSM Projects.

ii) Future Plan

After gaining multiple results with TPM, we are very confident to go to the next Level of TPM implementation and, also want to win the next level awards.

The Same experience we are also implementing in our other plants and in coming years, we will be able to apply for JIPM Special Award.

