

Group Profile

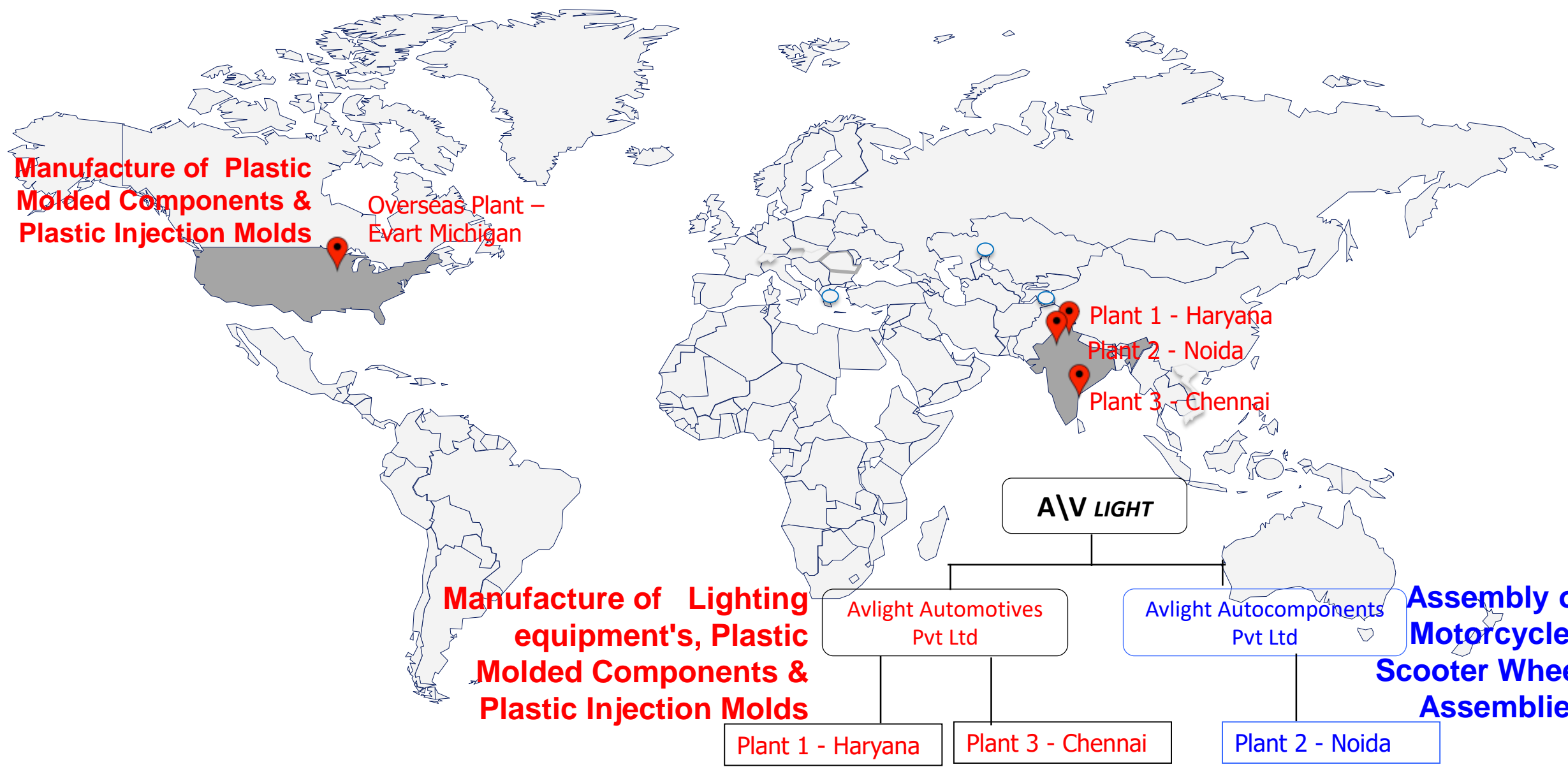
AVLIGHT



IMT, Manesar
Gurgaon (Haryana)

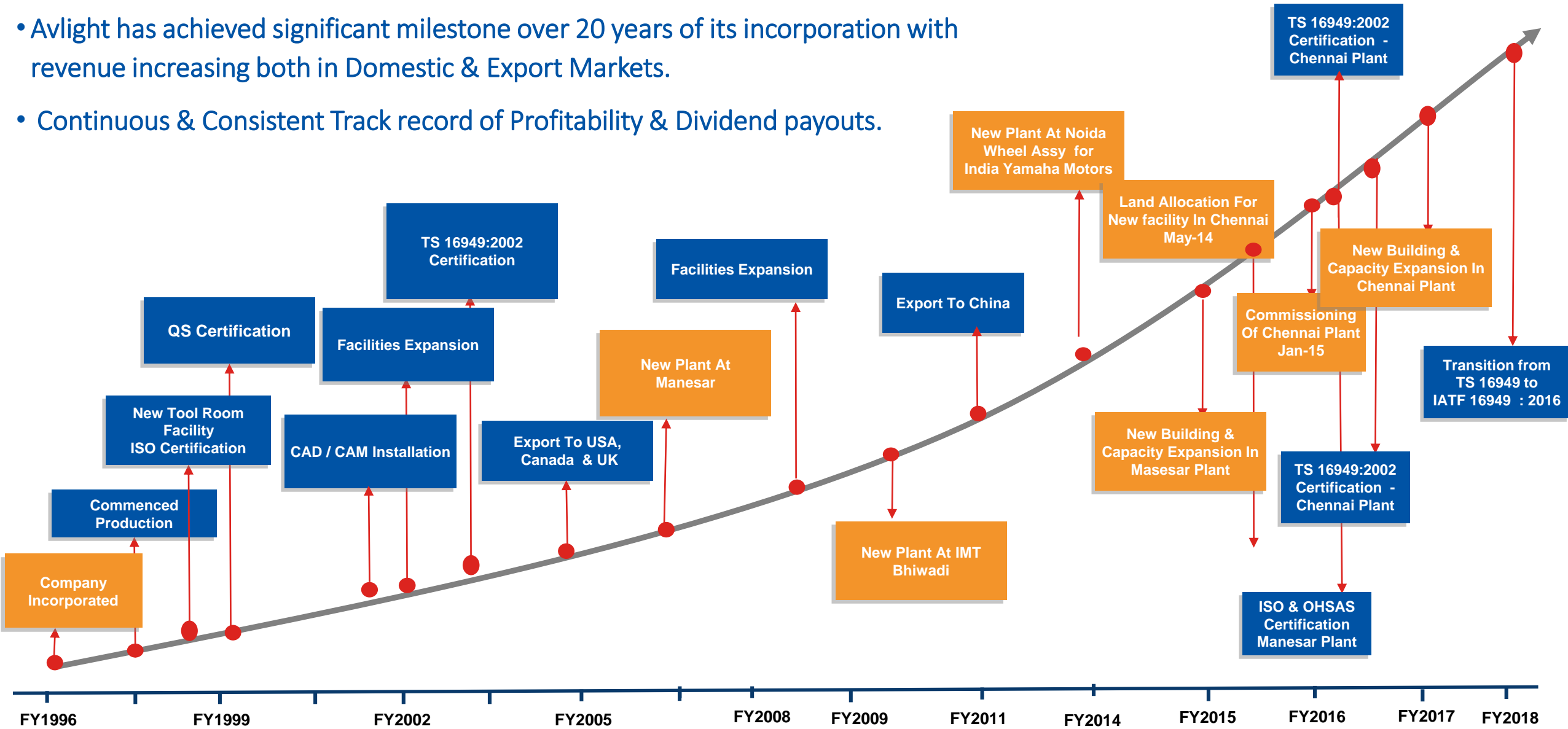


SIPCOT, Industrial Park
Vallam (Chennai - TN)



Major Milestones

- Avlight has achieved significant milestone over 20 years of its incorporation with revenue increasing both in Domestic & Export Markets.
- Continuous & Consistent Track record of Profitability & Dividend payouts.



Vision Statement

- **Develop & sustain a Strong Engineering base.**
- **Total Quality Management and complete Customer Satisfaction.**
- **Focus on Automation, Poka-Yoke & VA / VE.**
- **To make Avlight a preferred place to work.**

QUALITY POLICY

AVLIGHT AUTOMOTIVES PRIVATE LIMITED, manufacturer of Plastic Molded Parts & Lighting Equipment by Molding and Assembly is committed to :

- Providing reliable, cost-effective, environment-friendly products.**
- Ensuring customer satisfaction by meeting their requirements.**
- Striving to enhance productivity and minimizing wastage in all spheres of operation.**
- Identification and meeting the applicable requirements.**
- Inculcating the culture of process ownership among all employees.**
- Continual upgradation of quality management system processes, Products & technology.**

October, 2017



**Anil Anand
Managing Director**

AVLIGHT HEALTH, SAFETY & ENVIRONMENTAL POLICY

AVLIGHT AUTOMOTIVES PRIVATE LIMITED, manufacturer of Plastic Molded Parts & Lighting Equipment by Molding and Assembly is committed towards the protection of the environment, preventing the pollution and betterment of human health in all facets of its activities.

AVLIGHT AUTOMOTIVES PRIVATE LIMITED, shall strive to realize the following principles in its daily business

- Controlling the emissions, effluents and waste disposal arising out of its manufacturing processes, products and services as per predefine norms.
- Commit to pollution prevention and continual improvement while fulfilling the compliance obligations of the company.
- Reduction of wastes through Reduce, Reuse, Recycle and safely disposing of hazardous materials.
- Continual improvement in the processes to minimize the generation of waste and eliminate the potential for safety hazards & ill health.
- Adopting means to conserve energy and recycle/reuse of natural resources.
- Creating a work place that takes care of the health and safety of its associates.
- Complying with legal and other requirement with endeavor to improve the standards.

To achieve safe healthy working environment we shall involve and upgrade all employees to identify and eliminate the significant environmental aspects and health & safety hazards due to our products and processes.

October, 2017


Anil Anand
Managing Director

Products & Customer Base

SNAPSHOTS

- Plant Location :**
1. Plot No 1, Sector 6 IMT, Manesar, Gurgaon (Haryana)
 2. C-136, Phase II, Hoisery Complex, Noida (UP)
 3. Plot No G-27, SIPCOT Indl. Park Vallam Vadagal, Chennai (TN)
- Products :** **Automotive & Miscellaneous Applications**
Plastic Injection Molding & Electrical Parts.
Exclusive Plant Of Wheel Assy. for YAMAHA.
- Employee :** 415 .
- Certification :** ISO/TS : 16949 II ISO 14001:2004 II OHSAS 18001:2007

Plastic Injection Component - Automotive Lighting - Plastics Injection Mold



MAJOR PRODUCTS

MAJOR CUSTOMERS

TIER 1

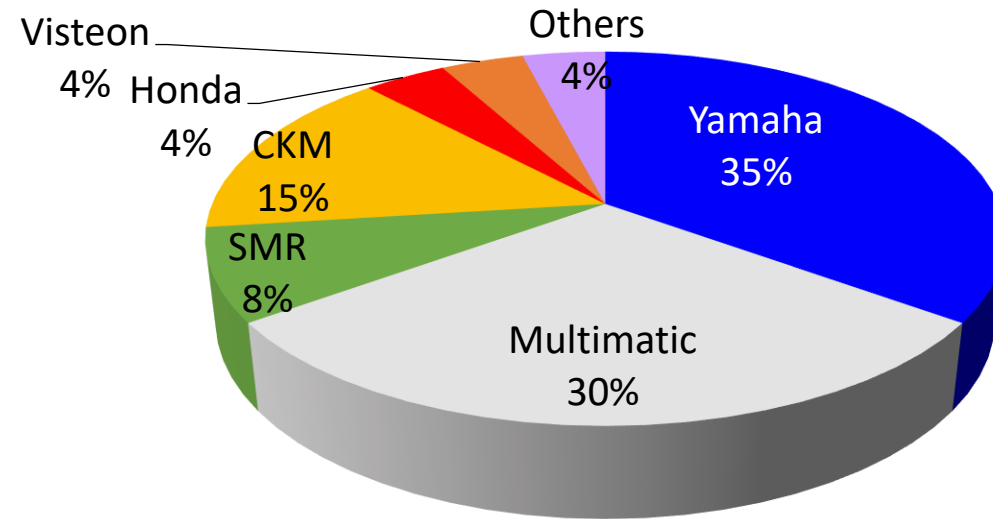
TIER 2



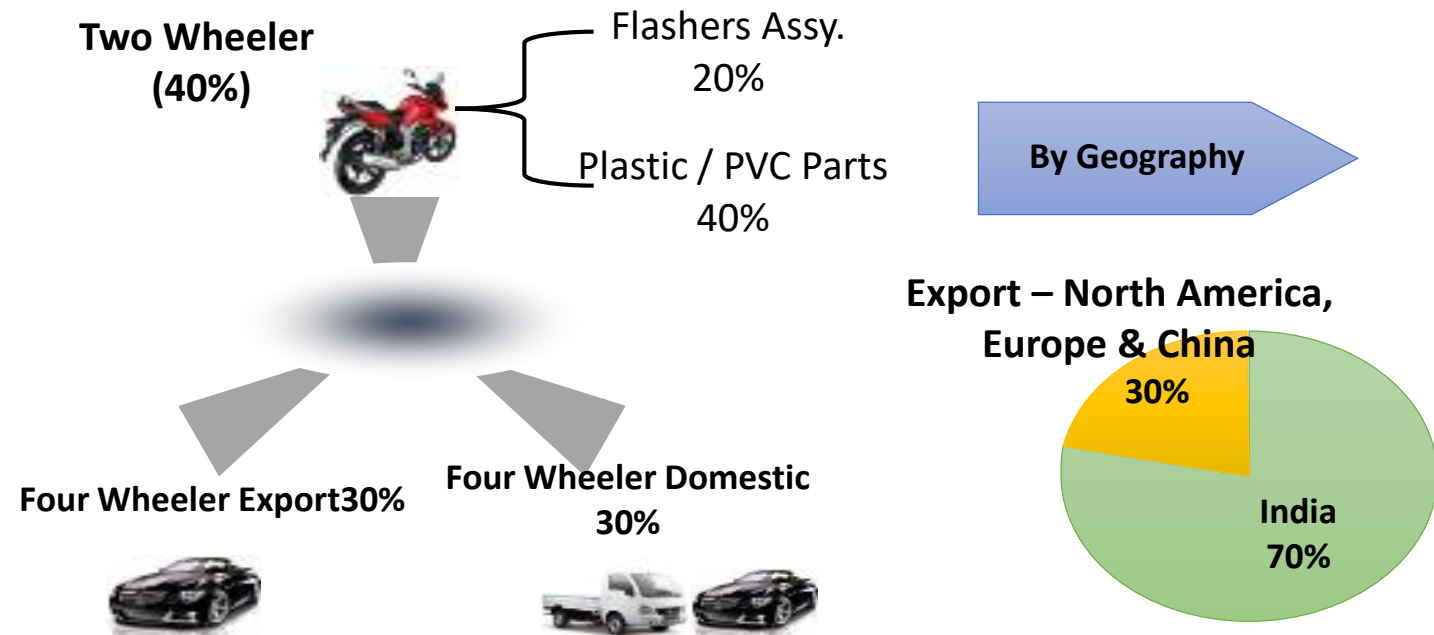
General Motors



- ◆ 3 Facilities, located at **Key Auto Hubs** in India Haryana, Uttar Pradesh & Tamil Nadu.
- ◆ Complete solution provider from Design to Manufacturing of Products
 - Flasher Lamp Assy**
 - Reflex Reflectors**
 - Plastic Molded Parts**
- ◆ Supplier to OEM / Tier 1 in India, North America, Europe & China.
- ◆ Focus on Automation & Poka Yoke.
- ◆ Highly experienced and trained work force.



Presence across All Segments (% of Revenue)





Fender & Cover Comp

Grip & Grip Assy

Battery Covers

Footrests PVC

Protector Muffled
(Glass Filled Nylon – Heat Resistant)

Guide Cam Chain

Plug Oil Levels

Flasher Lamp Assy
In-house Design
Development & Test
Evaluation

& many other plastic injection molded parts.....

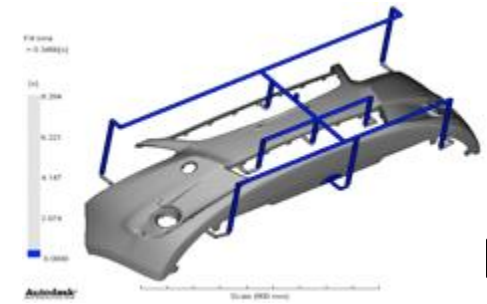
Product Development Capabilities

- **Employees**
 - Dedicated team for New Product Development
- **Capabilities**
 - CAD / CAE
 - Quality & Testing
 - Process development
 - Prototyping
- **Program Management**
 - Program Management Team works with customer to achieve program timing & targets



MECHANICAL DESIGN

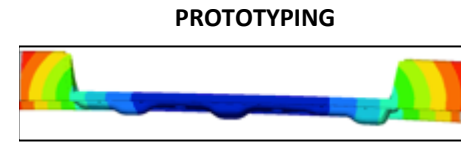
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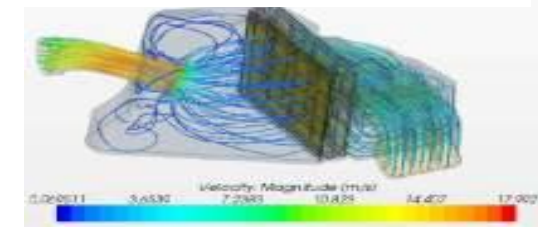
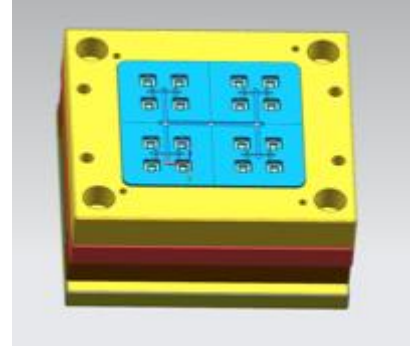
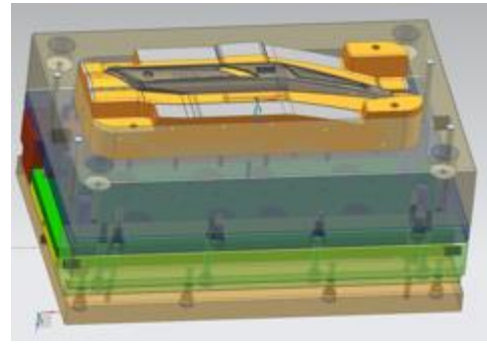
MOLD FLOW SIMULATION

TOLERANCE ANALYSIS

END TO END SOLUTIONS FOR PLASTIC PARTS



STRUCTURAL ANALYSIS



COMPUTATIONAL FLUID DYNAMICS

- Mold design as per product requirement.
- Functional & Appearance Aspects widely studied.
- High Productivity Molds
- Narrow Tolerance
- High Accuracy on functional parameters
- High Safety part for door hinge ass for all Major European / North American & Chinese Market.

- Managing Director & Team Leader : Anil Anand
- Works :
 1. Plot No 1, Sector 6 IMT, Manesar, Gurgaon (Haryana)
 2. C-136, Phase II, Hosiery Complex, Noida (UP)
 3. Plot No G-27, SIPCOT Industrial Park, Vallam, Chennai (TN)
- Regd. Off. : H-11, Ground Floor, Lajpat Nagar-2, New Delhi-110024 (India)
- Mobile : + 91 98 188 97070
- Email : aanand@avlight.co.in
- Web : www.avlight.co.in
- Built up Area : 100,000 Square Feet
- Manpower : 415 Employees
- Certification : TS 16949 : 2009
: ISO 140001
: OHSAS 18001

Plastic Injection Molding



Assembly



Tool Room



Quality Control



Description

- Injection Molding m/c-700 Ton
- Injection Molding m/c-650 Ton
- Injection Molding m/c-600 Ton
- Injection Molding m/c-450 Ton
- Injection Molding m/c-350 Ton
- Injection Molding m/c-250 Ton
- Injection Molding m/c-220 Ton
- Injection Molding m/c-180 Ton
- Injection Molding m/c-160 Ton
- Injection Molding m/c-140 Ton
- Injection Molding m/c-125 Ton
- Injection Molding m/c-110 Ton
- Injection Molding m/c-80 Ton
- Injection Molding m/c-65 Ton
- Vertical Inj Molding m/c-250 Ton - 2 nos
- Toyo All Electirc Si 130 m/c - 130 Ton - 2 nos.
- Toyo All Electirc Si 230 m/c - 130 Ton - 1 nos.
- Toyo All Electirc Si 180 m/c - 130 Ton - 1 nos.



Description

- Ultrasonic Welding Machine
- Flasher Lamp Assembly Lines



Total number of Machines → 51 nos.

Facility

- CNC Milling m/c - 4 nos.
- CAD Work Station Ideas
- CAD Work Station Uni-Graphic
- CAD Work Station Auto CAD
- Spark Erosion m/c – 3 nos.
- Milling m/c -3 No
- Radial Drilling m/c
- Lathe m/c
- Shaper m/c
- Surface grinder
- Drilling m/c -2



Test Equipment's

- CMM
- Photometry Test Lab
- Dust Chamber
- Water Spray Chamber
- De-Freezer
- Oven
- Humidity Chamber
- Plating Thickness Equipment
- Fan Balancing Machine
- Measuring Instruments
- Profile Projector





**IMT Manesar
Gurgaon Plant**

Feb-05 Onwards

**ISO/TS
16949:2009**



Feb-15

**ISO
14001:2004**



Feb-15

**OHSAS
18001:2007**



**Sipcot Inds Park
Chennai Plant**

April-15 onwards

**ISO / TS
16949:2009**

Aug-15

**ISO
14001:2004**



Aug-15

**OHSAS
18001:2007**



Brief Summary Of Avlight - Chennai



Plant View



All Electric Injection Molding Mc



Overhead Cranes



Tool Room



Flasher Lamp Assy Line



Quality Control



Worker Training



Encouragement to female employees



Safety at work place is Priority



Pick & Place Robo Arm



General Visualization In Plant



List of Machinery For Chennai Site -

List Of Machines

S.No	Item	Source	Qty
1	All Electric Injection Molding M/C Si-80-6	Toyo Japan	6
2	Plastic Injection Molding M/C Si-130-6	Toyo Japan	12
3	Plastic Injection Molding M/C Si-180-6	Toyo Japan	2
4	Plastic Injection Molding M/C Si-230-6	Toyo Japan	1
5	Plastic Injection Molding M/C Si-280-6	Toyo Japan	3
6	Plastic Injection Molding M/C Si-550-III	JSW Japan	1
7	Plastic Injection Molding M/C -600-6	FCS	1
8	Plastic Injection Molding M/C Si-680-6	Toyo Japan	1
9	Vertical Inj Molding m/c-250 Ton	Multiplas	1
10	Ultrasonic Welding Machine 2000W	Ravira	2
11	EOT Crane 10 tons	K2 Cranes	1
12	EOT Crane 2 tons	K2 Cranes	1
10	Flasher Assembly Assembly Lines		2
11	Fan Balancing Machine – Radiator Fan	Abro Industries	1
12	Fan Balancing Machine – AC Fan	Abro Industries	1
13	Electric Stacker for materila handling	Josts India	

27 Injection Molding Machines
Installed in 1st Shed

- ❖ State of the art **All Electric Injection Molding Machines** from **TOYO Japan**.
- ❖ TOYO machines **costs almost double** than the conventional hydraulic machine, but has many benefits like :-
 - ✓ Close Loop Machines → Strong Control over the **Process Parameters**.
 - ✓ Low Energy Consumption → Environment Friendly.
 - ✓ No usage of Oil / Water → No wastage into the environment, hence **NO POLLUTION**.
 - ✓ Automation with robots → **Less dependability** on manpower

Expansion Schedule Chennai Plant

AVLIGHT Chennai Facility - Expansion Schedule

July 2017

Sep 2017

Dec 2017

Mar 2018

2 Months

4 Months

3 Months

Planning & Approvals

Civil Constriction & Electrical Installation

Commissioning Approvals



THANK YOU !!