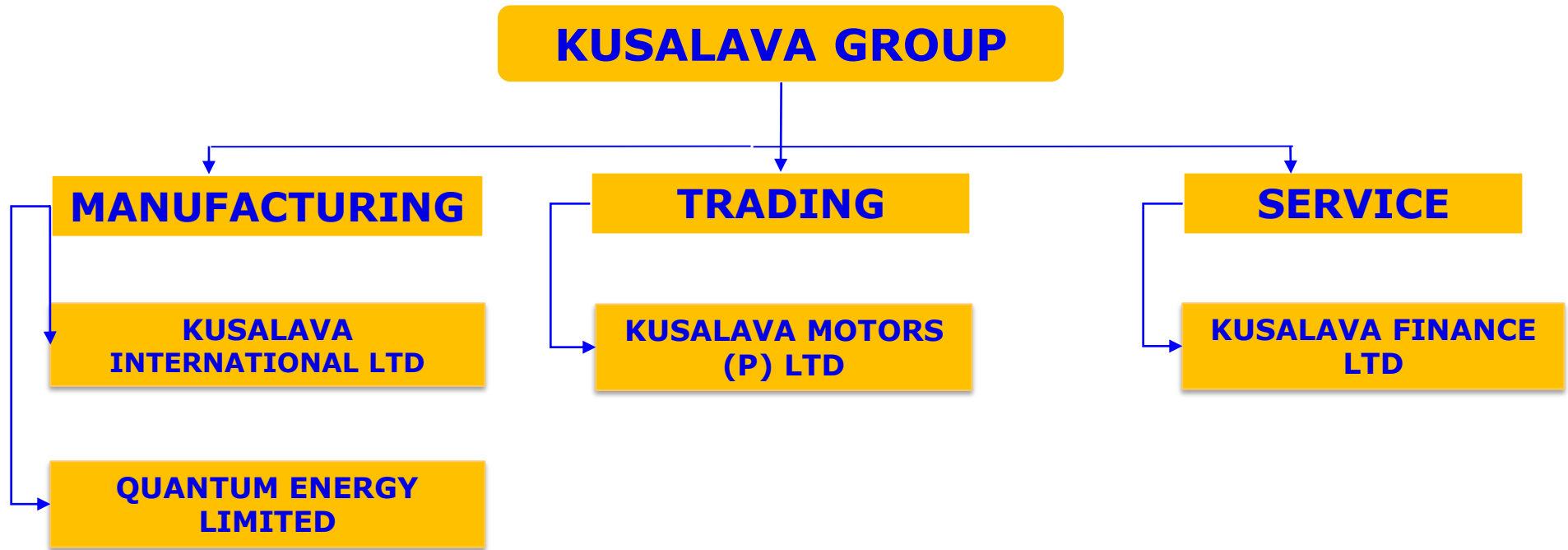


KUSALAVA INTERNATIONAL LIMITED

COMPANY OVERVIEW





FY 2023-24 : **Kusalava Group Turnover 114.18 Million \$**
 Kusalava International Turnover 49.05 Million \$



**UNIT- III - Area : 14 000 m²,
Plot No.10, Sector - 2, IIE
Pantnagar, Rudrapur,
Uttarakhand, India - 263153**

Nearest Airport : NEW DELHI



**UNIT-II- Area : 14470 m²
D. No: 15-152, RS No: 219 Telaprolu
Krishna Dist. , AP, India - 521109**

Nearest Airport :VIJAYAWADA



**UNIT- IV – Area : 30 000 m²
Plot No. M-1, VSEZ, Duvvada,
Visakhapatnam, AP,
India - 530046**

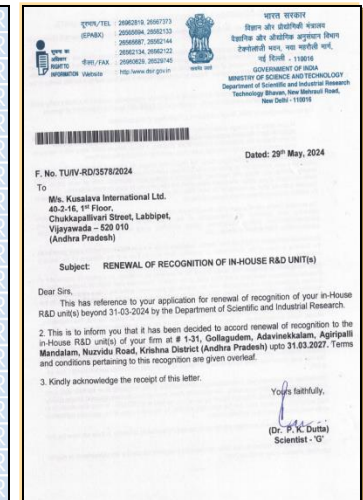
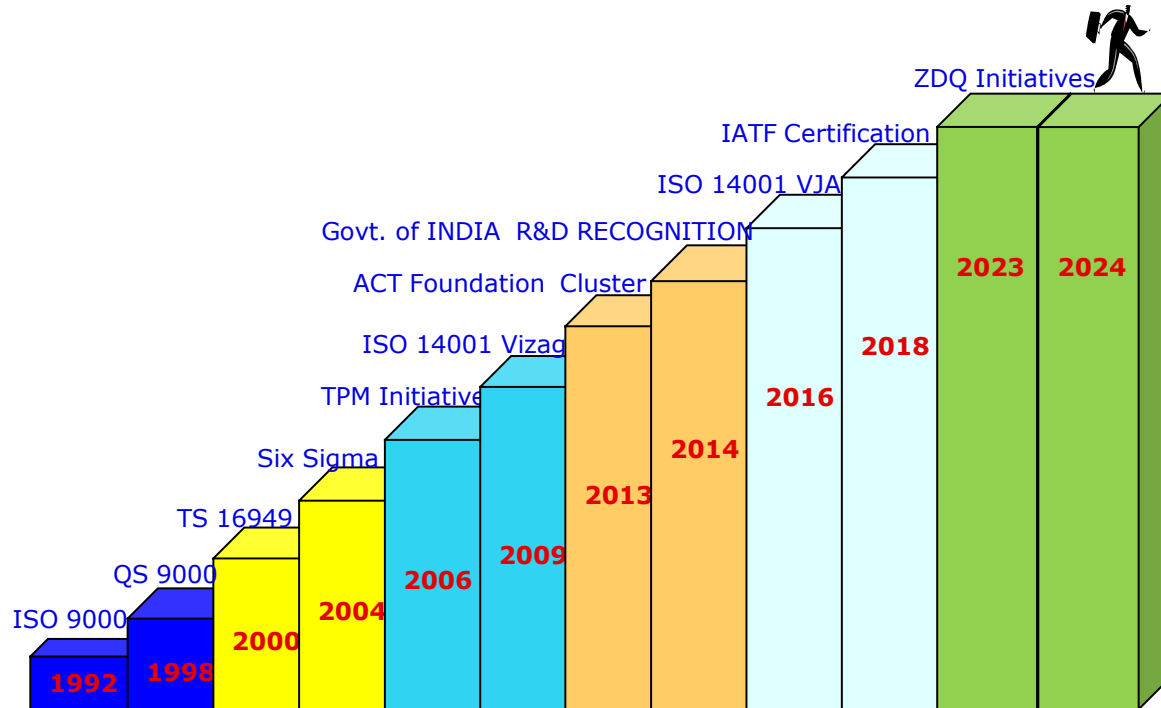
Nearest Airport – VISHAKAPATNAM



**UNIT-I Area : 61 000 m²,
Adavinekkalam Village.
Agiripalli (Mandal),
Eluru District, AP, India - 521212**

Nearest Air port : VIJAYAWADA























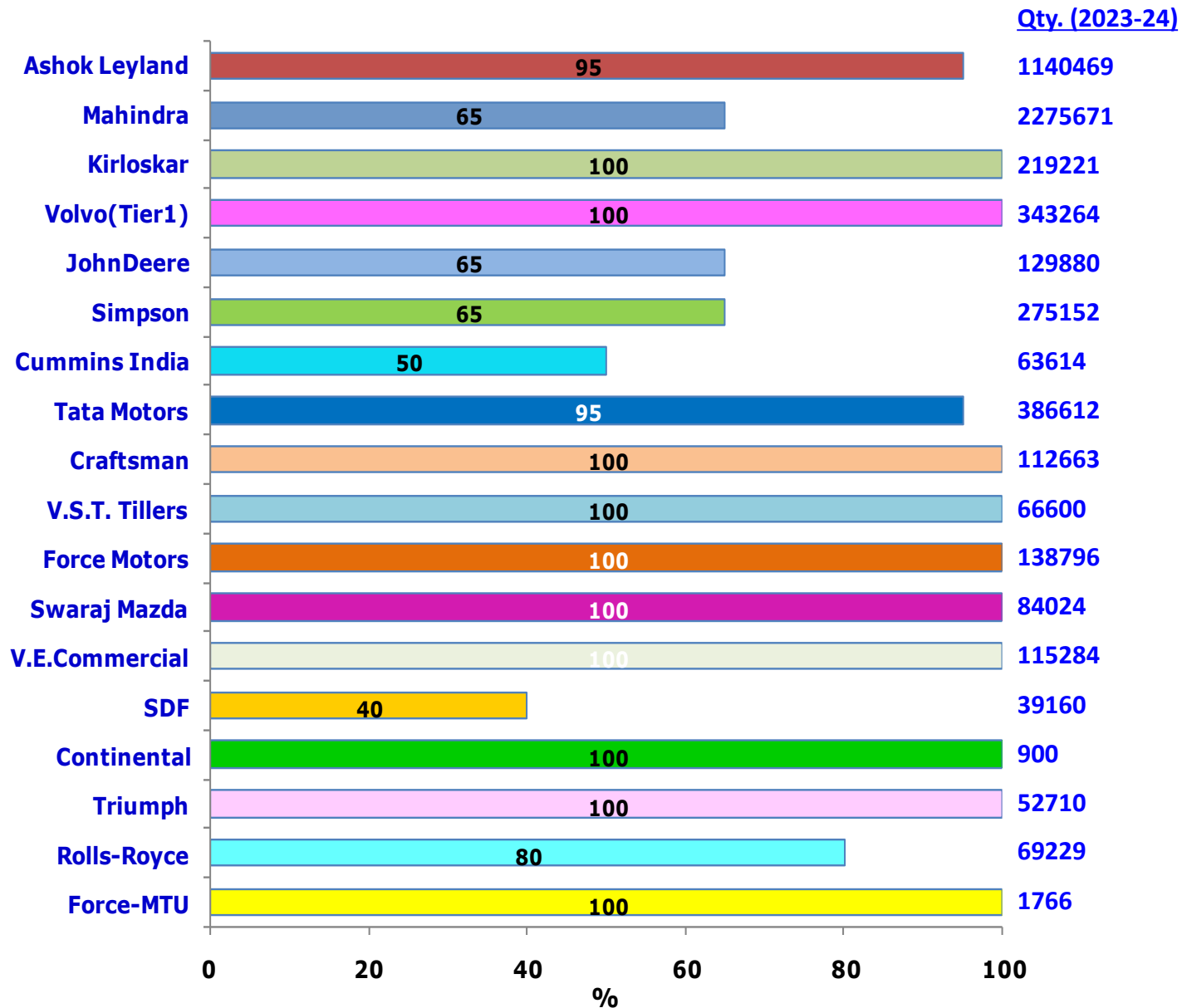


- KL Plant 1 is certified for LLOYD's registration & Recognition for the in house R&D Process Development.

- All plants were certified for IATF 16949:2016 Quality Standard & Two Plants were certified for ISO14001:2015 Environmental standard.

Segment	Customers				
HCV & LCV	 Ashok Leyland	 TATA	 VE COMMERCIAL VEHICLES	 SML ISUZU	 FORCE MOTORS
	 VOLVO	 TATA Cummins	 Mahindra	 CONTINENTAL ENGINES	
Tractors	 RESPONDING • CHANGING • GROWING	JOHN DEERE	 VST	 Mahindra	
	 IVECO	 Craftsman AUTOMATION	 SDF Farming Technology. Since 1927.	 PREET	
Cars	 SPORT UTILITY VEHICLES	 JAYA HIND	 DR AXION	 Craftsman AUTOMATION	
Industrial & Off High-Way	 Cummins	 karloskar	 Rolls-Royce 	 FORCE	 mtu

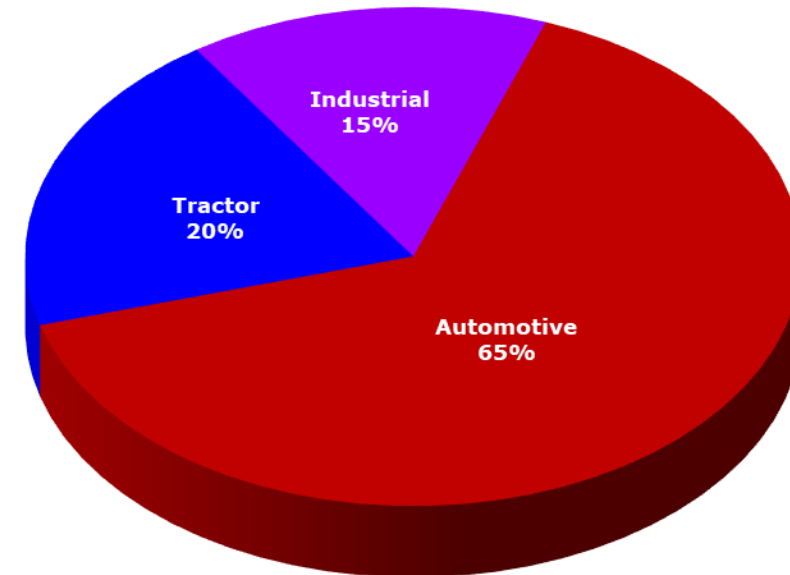
Segment	Customers
Two Wheelers	
Racing	   
Exports – After Market	              



Sl. No	Parameter	Dimensions (Min-Max)
1	Inner Diameter	20 to 180 mm
2	Outer Diameter	22 to 200 mm
3	Total Length	65 to 400 mm
4	Thickness	1 .2 mm
5	Material	1. Grey Iron 2. Ductile Iron 3. Bainitic Iron 4. Steel
6	Weight (Min-Max)	1 to 50 Kgs

Sl. No	Special Process	Advantages
1	Phosphating	Corrosion resistant & Lubrication during initial run of the engine
2	Induction hardening	Improves wear resistance
3	Through hardening	Increases hardness
4	Normalizing	Stresses relieving
5	Deep rolling	Improves Flange strength

Product Application



Production Equipment

- Inductotherm Induction Furnaces
- Automated Carousel Machines
- Centrifugal Casting Machines
- Shot Blasting Machines
- Heat Treatment Facilities
- Parting Off Machines



Testing Equipment

- Spectro Labs
- Zeiss Metallurgical Microscope with Photographic attachment
- Image Analyzer.
- Nodularity Testing Equipment.
- Universal Testing Machines
- Vickers , Brinell & Rockwell Hardness Testing Machines.
- Flange strength checking Machine





KL1 - 1800KW



KL1 - Table 1 & 2



KL1 - MTU Turntable



KL TPL Turntable -3



KL RPR- Turn Table - 2



Raw Material Storage bins



Raw Material Transfer



Charging into Furnace



Melting



Spectro Check



Water Cooling



Die Rotation



Pouring



Die Coating



Metal Tapping



Casting Extraction



Casting Inspection



Shot Blasting



Parting



Finished Casting Storage

**Issue to
Machine Shop**

Production Equipment

- Mazak & ACE CNC Turning Centers
- Nagel Plateau honing Machines
- Centreless Grinding Machines
- Two spindle Fine boring Machines
- High productivity SPM's
- Automated Phosphating Plants
- Washing Machines
- Vertical Milling centre

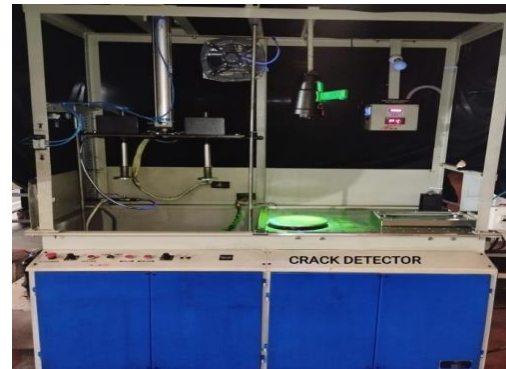


Test Equipment

- Zeiss CMM Machine
- Zeiss Roundness Tester
- Zeiss Contour Graph
- MAHR Surface Roughness Tester
- Dyna Scan Profile Projector
- Multi Gauge Inspection Equipment



- Eddy-Current testing uses electro-magnetic induction to detect flaws in conductive materials.
- Eddy-Current testing can detect very small Cracks in or near the surface of the material.
- Magna flux crack detection works on the electro magnetic principle, with manual intervention
- Washing Machine
- Millipore test equipment





KL1 – Sigma Machine Shop



KL1 – MTU Robot Cell



KL1 – SF Machine Shop



KL1 – PF Line Robot Cell



KL Vizag Machine Shop



KL Rudrapur Machine Shop



KL TPL – Robot Cell



KL TPL – Machine Shop





Rough Boring and Turning



Rough CNC Turning



Fine Boring



Rough Honing



Fine CNC Turning



Grinding



Fine Honing



Final Inspection



LASER Marking



Pallet Packing

Sl. No.	Unit	Foundry Capacity / Month (Tons)	Machining Capacity / Month (No's)
1	KL1 VJA	2,300	4,05,000
2	KL4 VIZAG	---	50,000
3	KL3 RPR	500	2,00,000
4	KL TPL	2200	PM - 1,00,000 SF - 65,000 Wet - 30,000
Total		5,000	7,50,000
Utilization 2023-24		61.74 %	86.38 %



Safety committee Review



Safety Awareness program



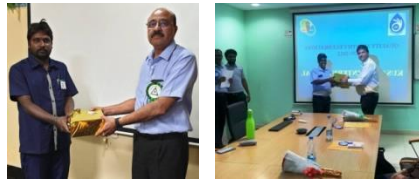
Class Room Training on Safety



Safety Pledge by team



Fire Extinguishers Training



Prize Distributions



Weekly Interaction with workmen



Sunrise Meetings



Best Slogan & Painting Award



Best PPE wearing Employee



ZDQ Launch Event



Quality Month Celebrations



SNEHA Hospital



Chukkapalli High School



Mineral Water Plant



Village Adoption



Free HEALTH campaigns



MPUP School Rooftop reconstruction



**Best Quality Performance Award
from SML in 2016**



**Best Quality Performance Award
from KOEL in 2017**



**Category Partner from
CUMMINS in 2017**



**Best Quality Performance Award
from KOEL in 2018**



Cummins



KOEL

KOEL



KOEL



KOEL



KOEL



Eicher



Mahindra



Mahindra



Darton



**Swaraj
Mazda**



**VE
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