

09th November, 2019



To,
NSE Limited,
Exchange Plaza,
Plot No. C/1, G-Block,
Bandra-Kurla Complex,
Bandra (E), Mumbai 400 051

Symbol: SINTERCOM

Sub: Submission of Investor Presentation

Dear Sir/ Madam,

With Reference to the captioned subject and intimation made on 08th November, 2019 with respect to Alpha Ideas SME Stars event held on Saturday 09 November, 2019 at Dr. Patil Auditorium, National Stock Exchange, Mumbai, please find enclosed herewith the presentation presented in the event.

The above is for your information and record.

Yours Faithfully,

For Sintercom India Limited



Anuja Joshi
Company Secretary & Compliance Officer



SINTERCOM
India Ltd.

Innovation in Motion



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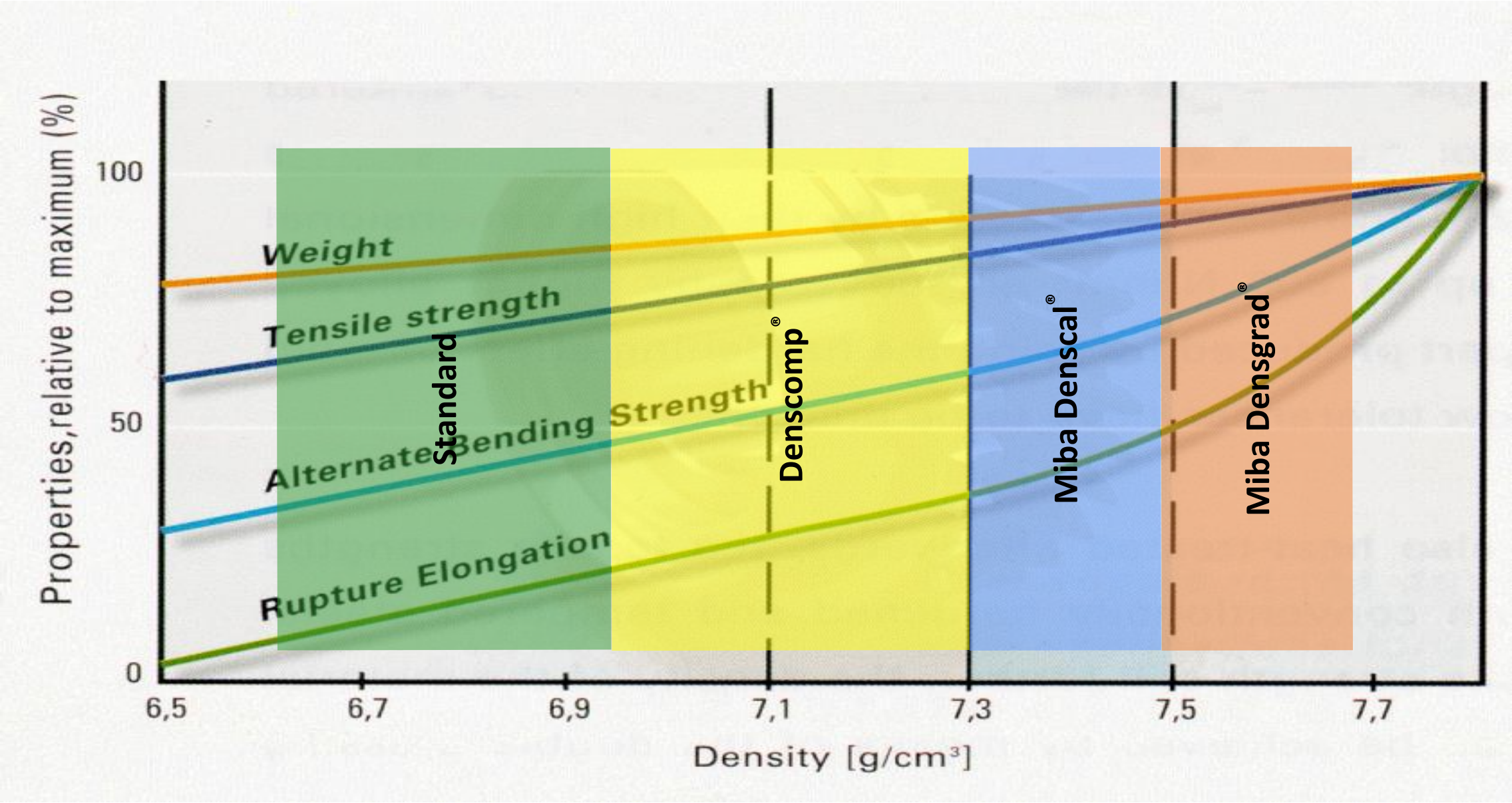
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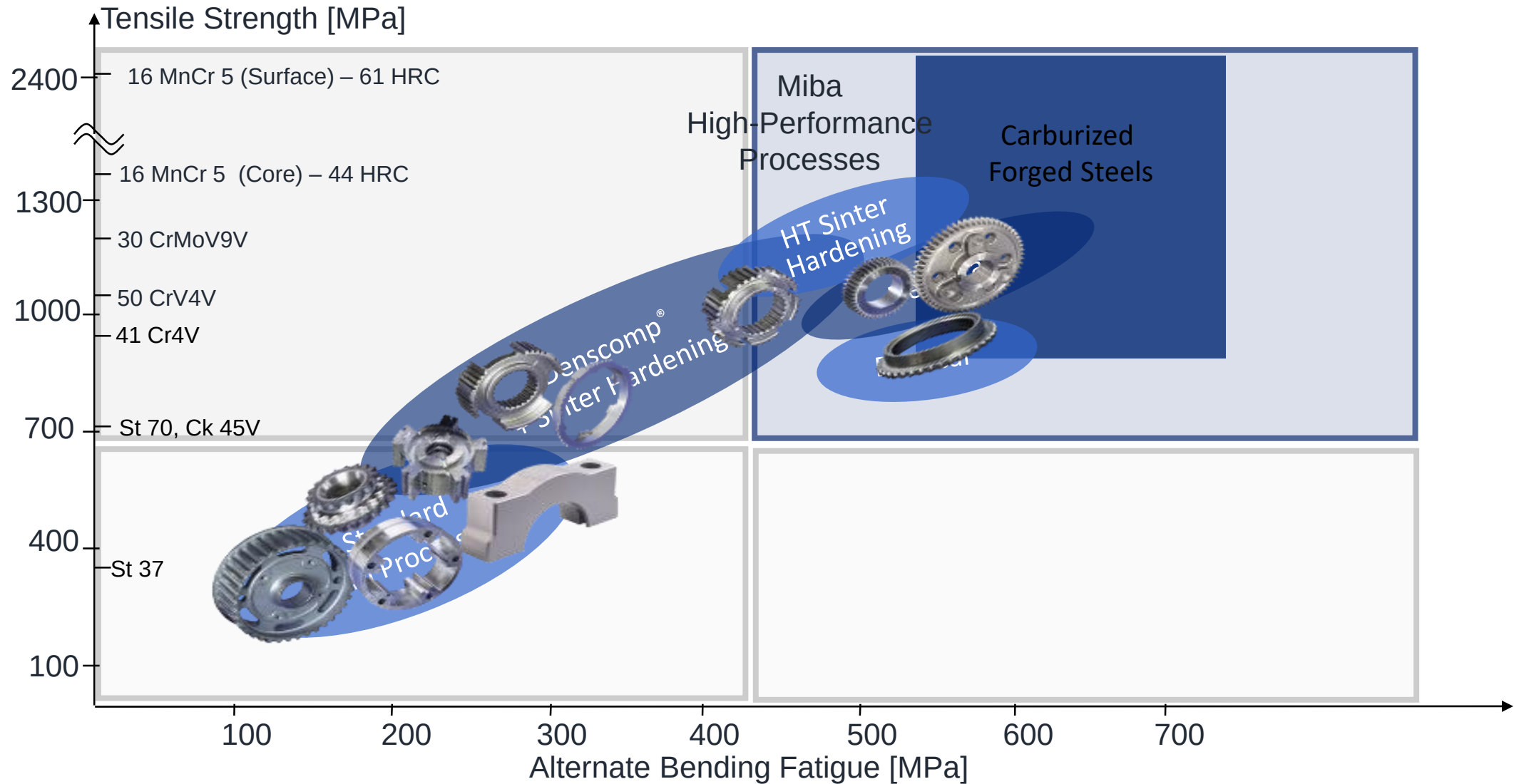
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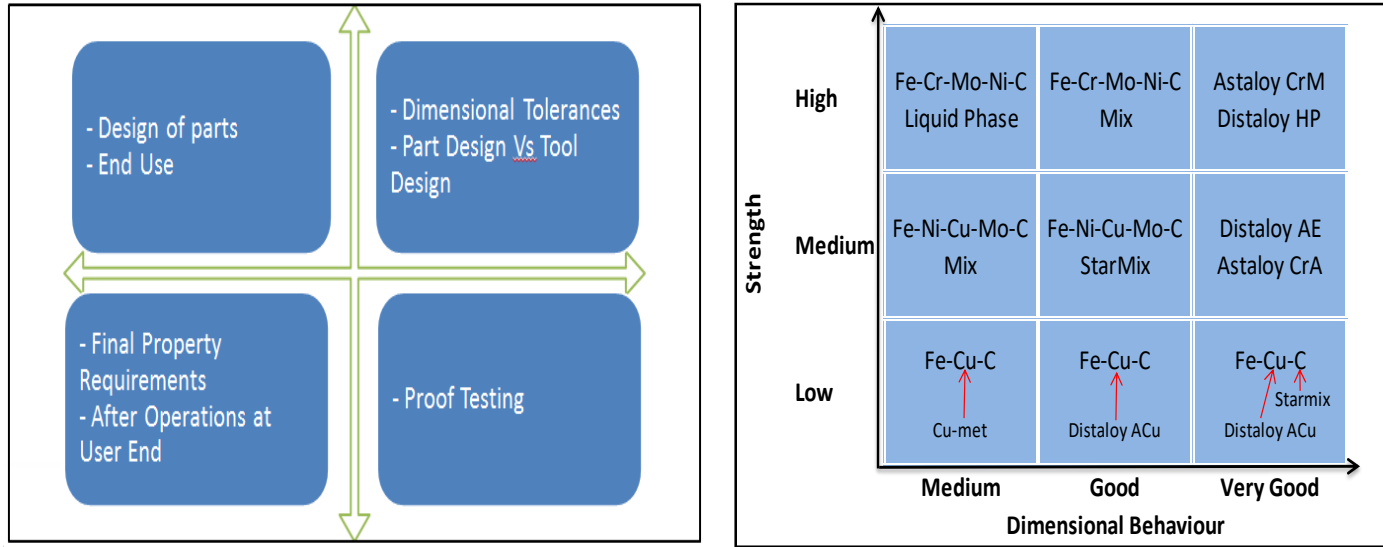


- The appropriate Material and Process for each Application



SINTERING – PROCESS AND PRODUCT ADVANTAGES

PM Material Selection Matrix



Process Flow – Forging v/s Sintering



PM Components - Advantages & Benefits

- Very high material yield, near-zero scrap – Net-shape technology
- High productivity and low total processing time
- Lightweight components
- Better NVH performance
- Reduced friction with oil impregnation
- Wider range of materials to select from
- Clean, green manufacturing technology with less energy consumption and zero GHG emissions

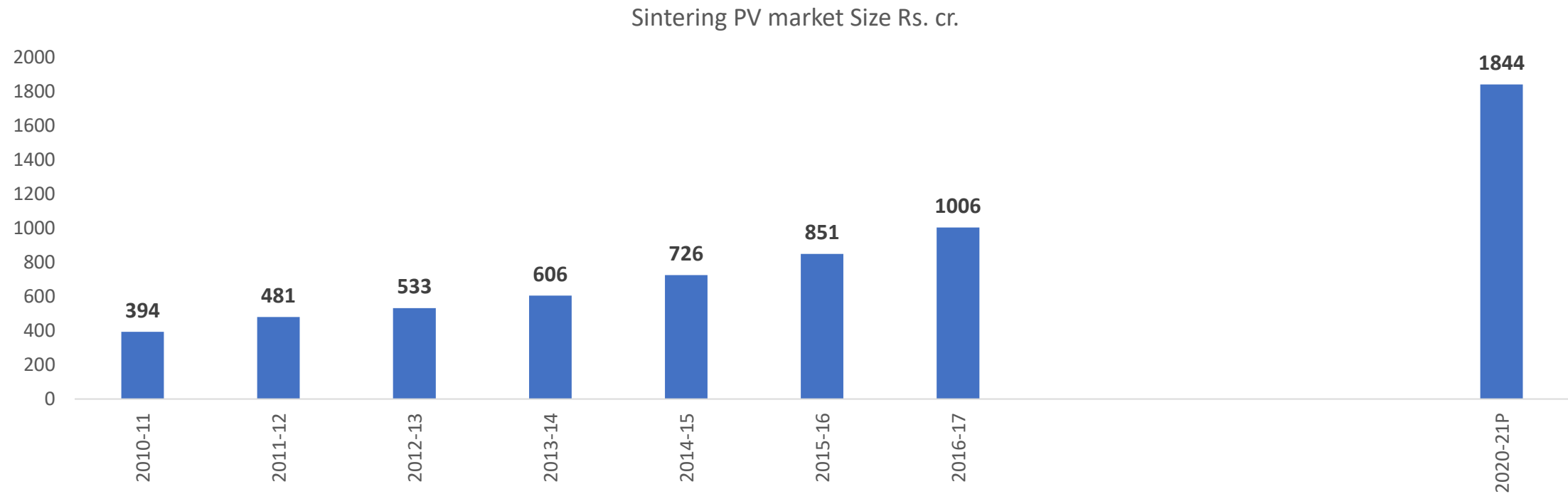
SINTERING TECHNOLOGY

PROCESS	 Conventional Sintering	• Powder metal is compacted into net shape using die toolings • Compacted components are then sintered into furnaces at high temperatures below melting point in a phase wise manner • Upto 90% dense symmetric components can be produced
	Isostatic Sintering	• Powder metal is compacted into net shape using isostatic pressure on die walls • Compacted components are then sintered into furnaces at high temperatures below melting point in a phase wise manner • Upto 90% dense symmetric and long components can be produced
	Metal Injection Molding	• Powder metal is injected inside the injection molds using extruder, similar to plastic injection molding. • Molded components are then sintered in high temperature vacuum furnaces • Upto 99% dense and complex shape components can be produced
	Additive Manufacturing	• Powder metal is spray printed layer upon layer using 3D modeling software enaled 3D printer • Simultaneously, through laser or other concentrated source, it is heated and sintered in real time. • Any shape and components can be produced
USAGES	 Automotive	• Engine : - Gears, Sprockets, Rotors, Pulleys, Spacers • Transmissions : - Synchro Hubs, Synchro Rings, Shift tower components • Auxiliary : - Alternator and Turbocharger components, Water pump rotors, Fuel injectors • Body/Chassis : - Sensor ring, Sensor boss
	Aerospace / Defence	• Valve bodies • Fuel injectors • Alternator and electric motor components • Firearm components
	Medical Equipment	• Surgical instruments • Surgical implants • Electric components of medical equipment
	Consumer Goods	• Electric components like motors and inverters • Connecting rods and pistons of compressors • Soft magnetic cores • Valve bodies

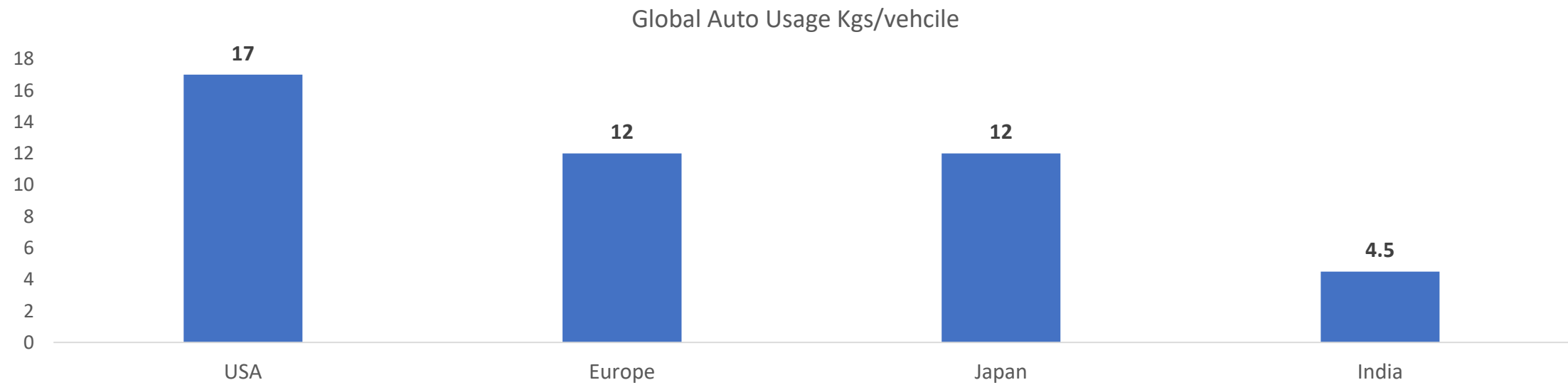
SINTERING TECHNOLOGY

(Source: CRISIL Reports/PMAI)

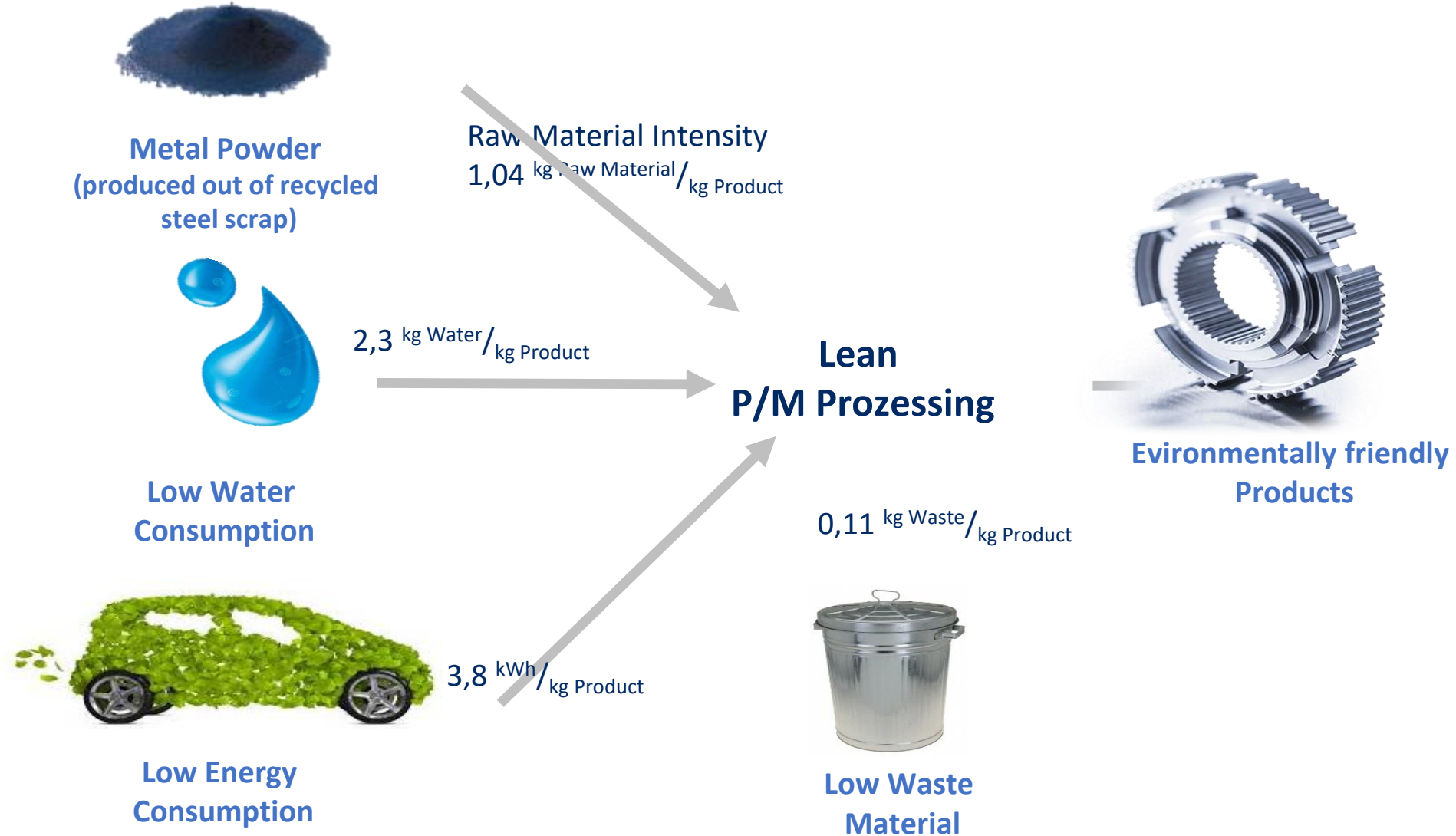
Market Size PV



Opportunity



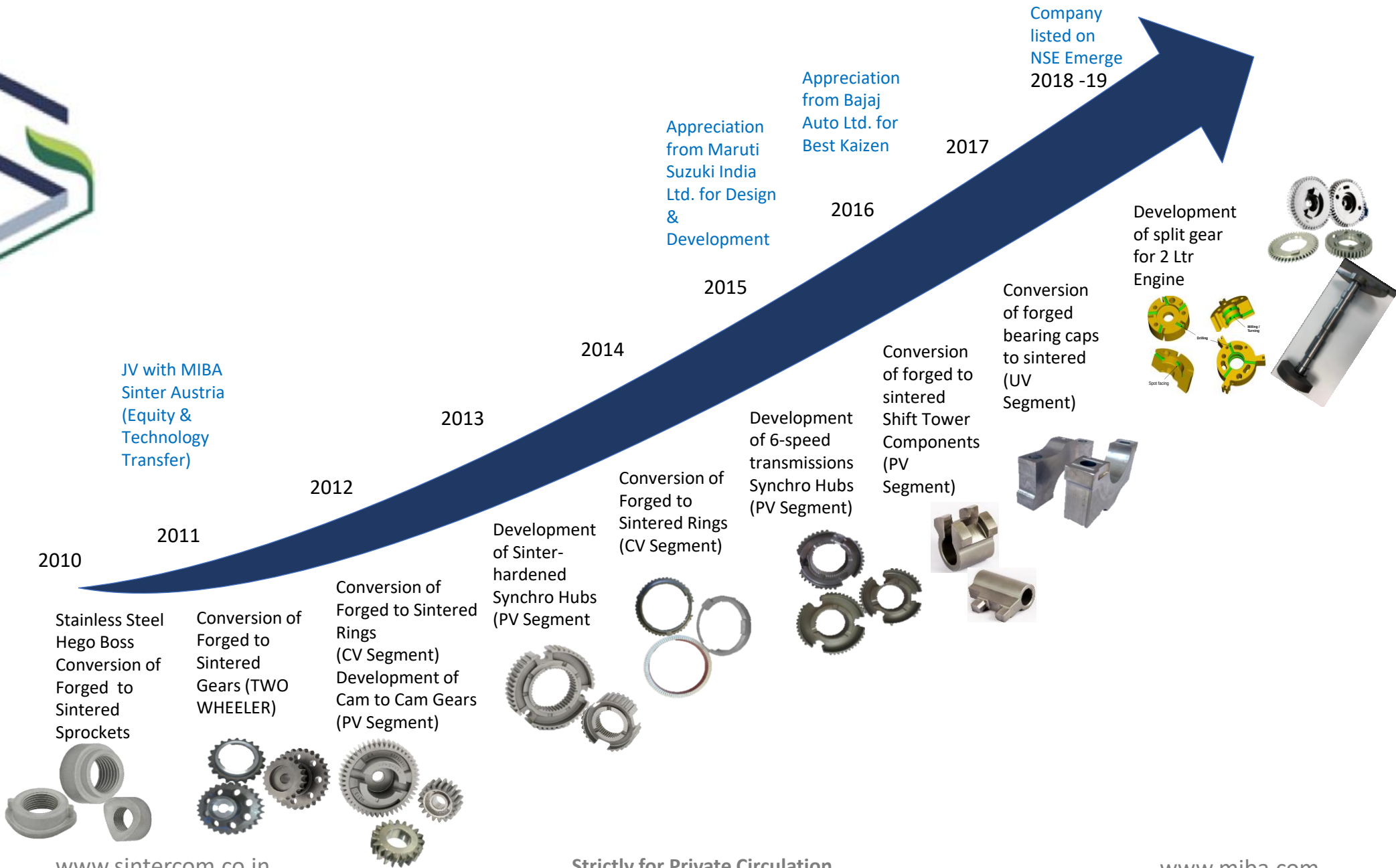
RESPONSIBLE USE OF RESOURCES



SINTERCOM KEY MILESTONES



Establishment of
Maxtech India
Pvt. Ltd.



Our Mission

Innovation in Motion –
Technologies for a Cleaner Planet

Our Vision

No power train without SINTERCOM/MIBA technology

Our Goals

- Profitable growth to over 50 EUR million by 2025
- Increase in revenue from core business and through M&A

Our Strategy

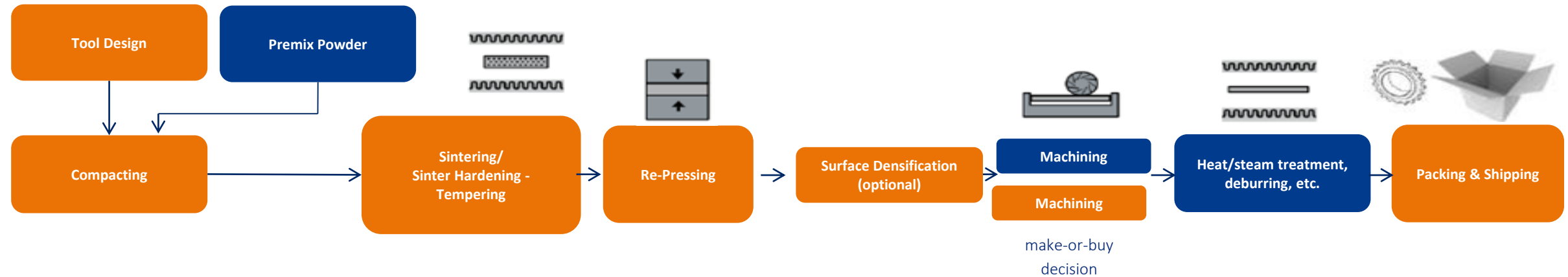
Strive for technology leadership in demanding, financially attractive market segments

Our Values

- Technology Leadership
- Lifelong Learning
- Entrepreneurship
- Passion for Success

CORE COMPETENCE – SINTERED COMPONENT MANUFACTURING

Sintercom Core Processes in ORANGE (Manufacturing)



- Advantages of Powder Metal Technology:
- Cost effectiveness:
 - Net-shape production requires fewer process steps (target: no machining)
 - Higher material utilization
 - Lower energy consumption
- Product uniqueness:
 - Outstanding usage of materials to produce high technological and complex shapes
 - Outstanding performance and properties in the end-product

SINTERCOM MEMBERS OF BOARD

Hari Nair
Chairman – SIL



Member of Board active since 2015
25+ years of experience at Tenneco
COO at Tenneco for 5 years
CEO at Anitar Investments
M&A Consultant at NM Rothschild & Sons
Member of Board of Directors & Chairman of Compensation Committee at Owens-Illinois since 2013
Member of Board of Directors at Delphi Technologies PLC and Musashi Seimitsu Industry
Degrees from Harvard Business School, University of Notre Dame and Bradley University

Harald Neubert
Board of Director-SIL



Member of Board active since 2011
10 years of experience at Miba AG
Member of Board at, Miba AG since 2009,
Member of the Management Board of Miba AG
also responsible for the Miba Sinter Group, the Miba Automation Systems and Quality
CEO, Miba Sinter Group
President at GKN Sinter Metals for ASPN
operations since 1998 to 2007
Degree from University of Essen

Jignesh Raval
Board of Director– SIL



Member of Board & Managing Director
active since 2007
9 years of experience at Tenneco Inc
as Executive Director, GSCM
20+ years of experience in automotive industry
Degree in Engineering

Preeti Ramdasi
Independent Director

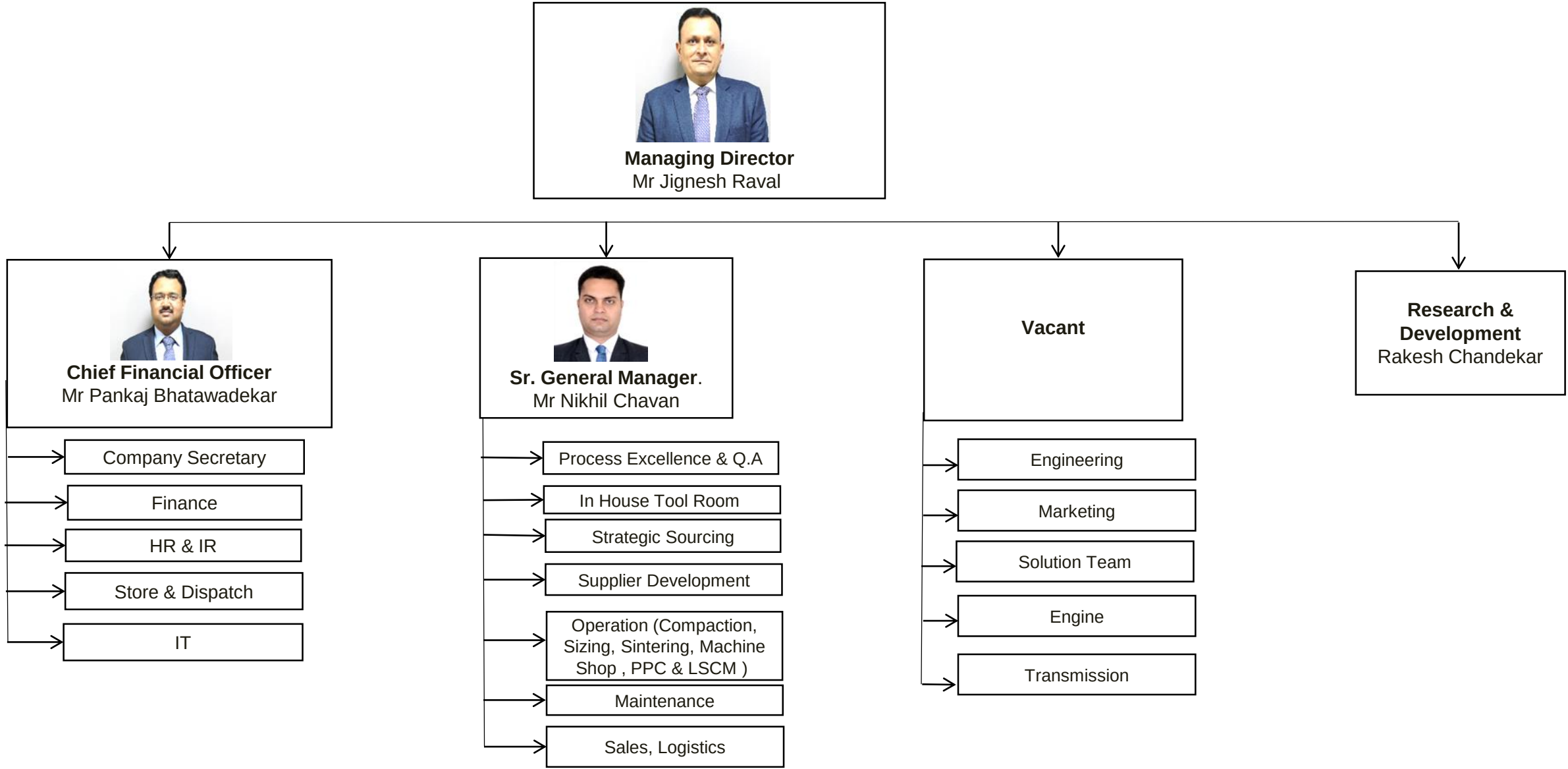


Preeti Ramdasi, is an independent director of the Company. She has been on the board of the company since November, 2017. She received a degree of B.A/LL.B (Hons.) from National Law School of India University and has over 3 years of experience. She has worked as Senior Program Officer - Sustainable Business with World Wild Fund for Nature. She currently works as a Corporate Social Responsibility Consultant for various companies.

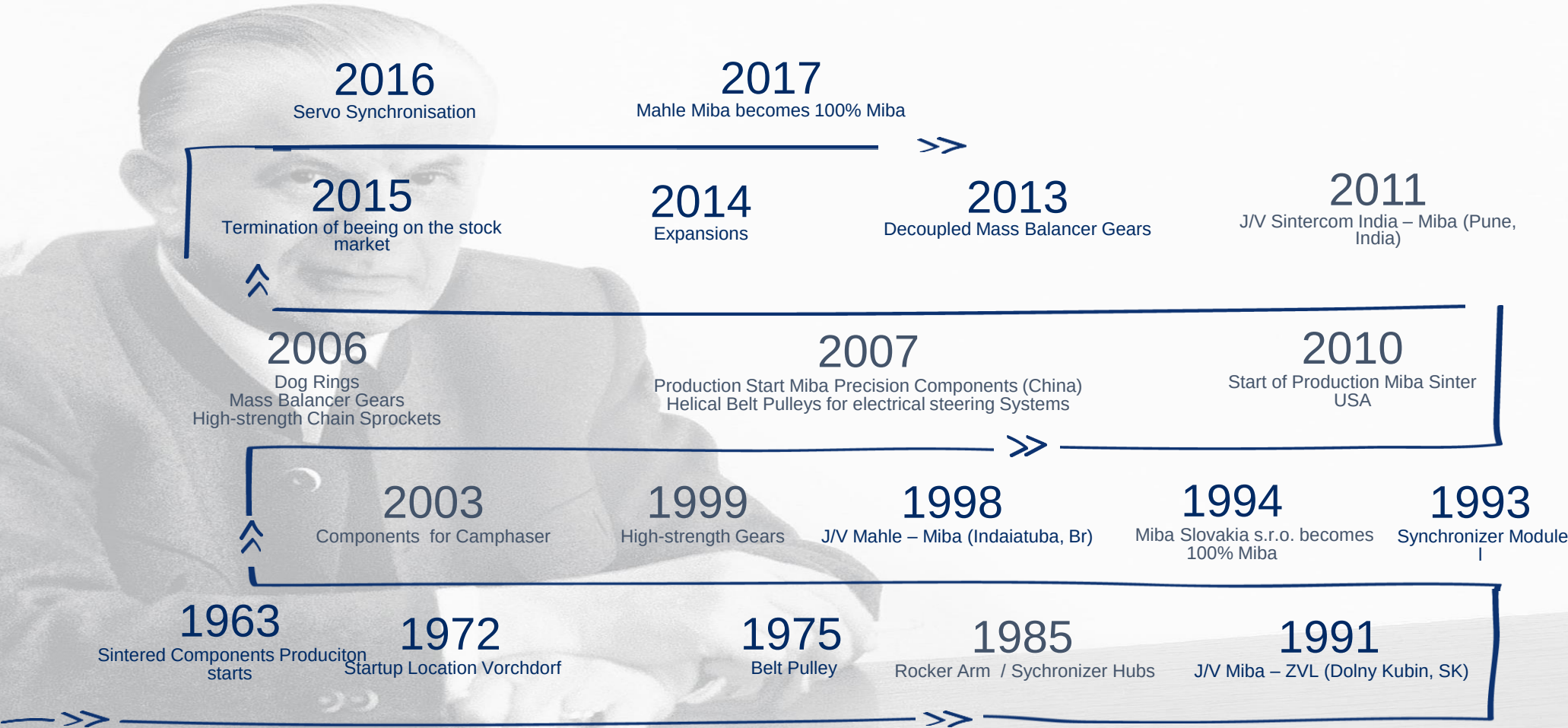
Madan Godse
Independent Director



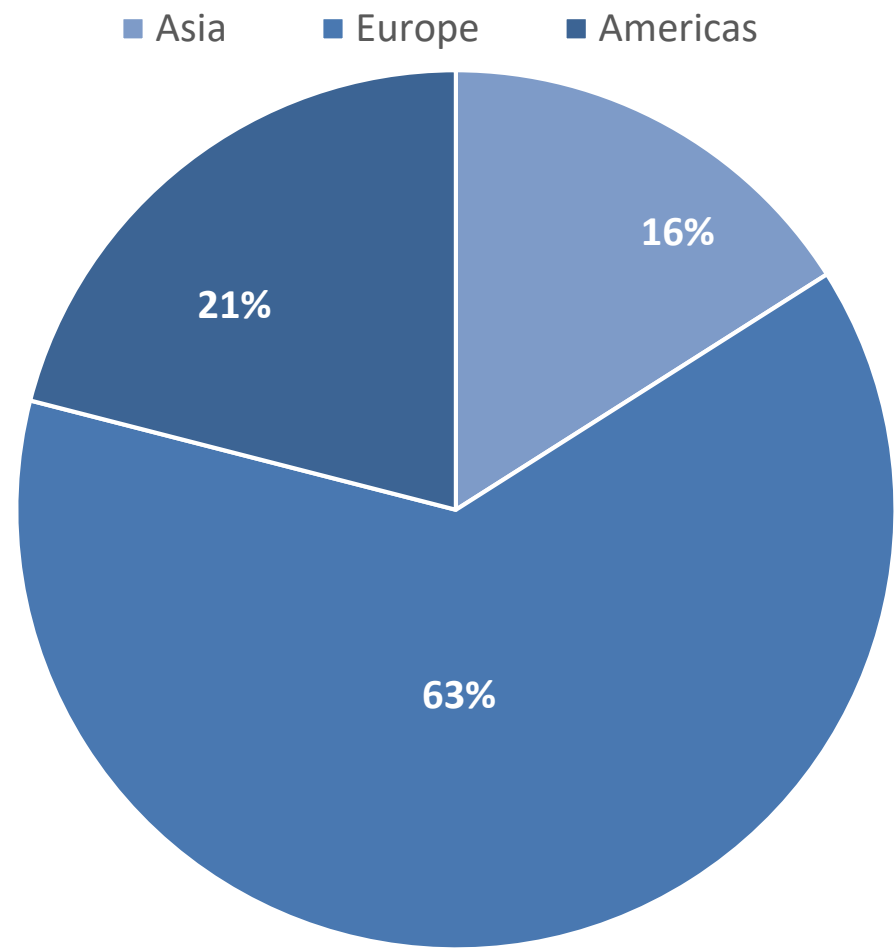
Madan Godse, is on the board of our company since November, 2017 as independent director. He received a Master's degree in commerce from University of Pune and a Master's degree in arts. He also obtained Certificate of Membership from the Institute of Company Secretaries of India and a Bachelor's degree in law from University of Pune. He is a member of the Bar Council of Maharashtra & Goa and has over 30 years of work experience in secretarial compliance and law.



HISTORY – MIBA SINTER GROUP



MIBA GROUP – Overview



985
EUR MN
Revenue

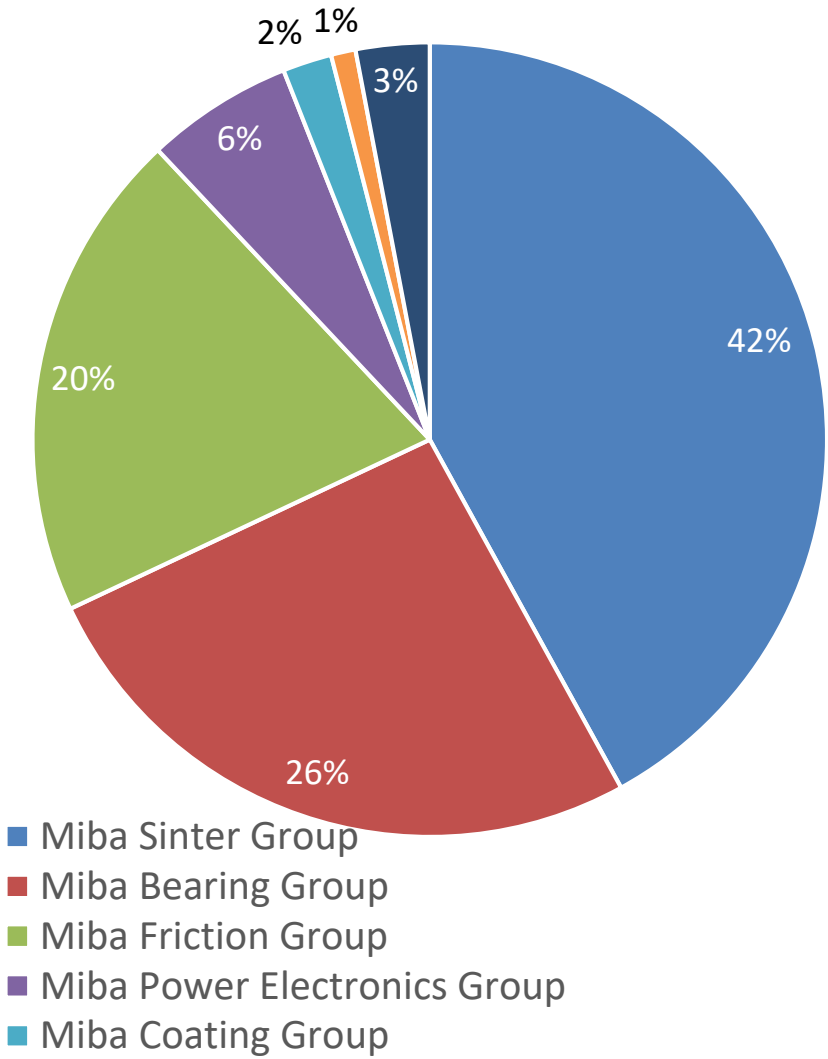
23 Sites Globally

87
EUR MN
Investments

7355 Employees

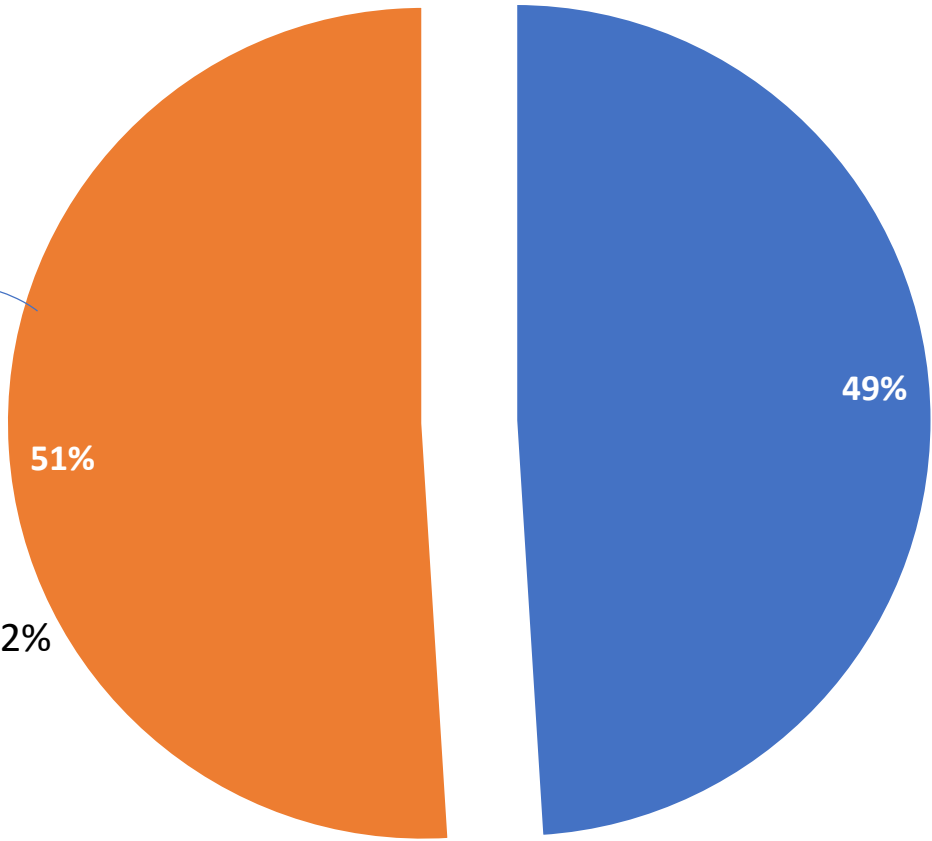
4.10 Research
Ratio

MIBA GROUP – REVENUE BY DIVISION



Industrial Goods

- a) Truck /Bus 9%
- b) Construction 8%
- c) Industrial 7%
- d) Powerplants 7%
- e) Agriculture 5%
- f) Railway 4%
- g) Special Machinery 2%
- h) Marine 2%
- i) Aircraft 1%
- j) Wind Energy 1%
- k) White Goods 1%
- l) Energy Transmission 1%
- m) Others 3%



■ Automotive ■ Industrial Goods

SINTERCOM - CUSTOMERS

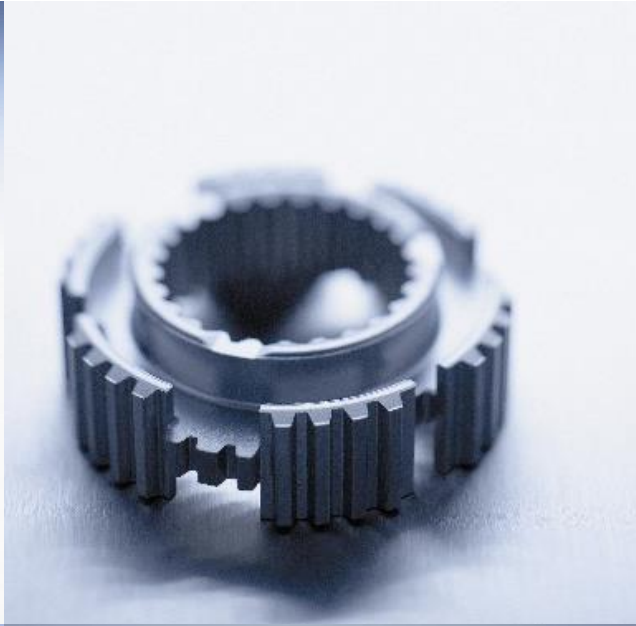
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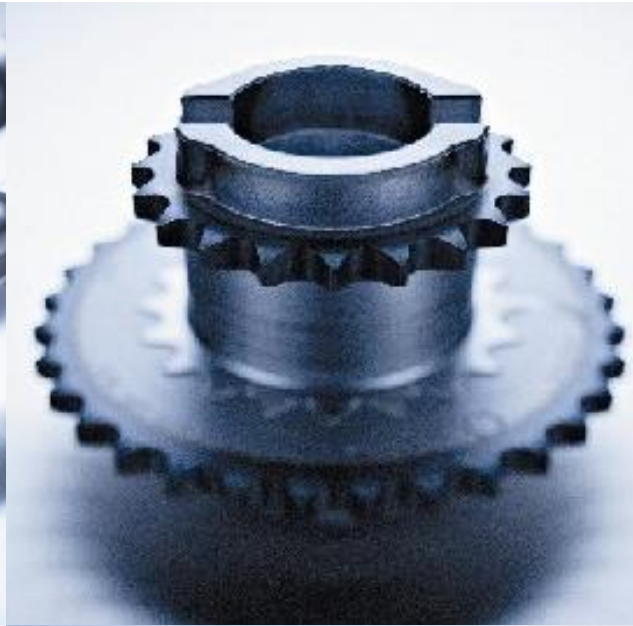
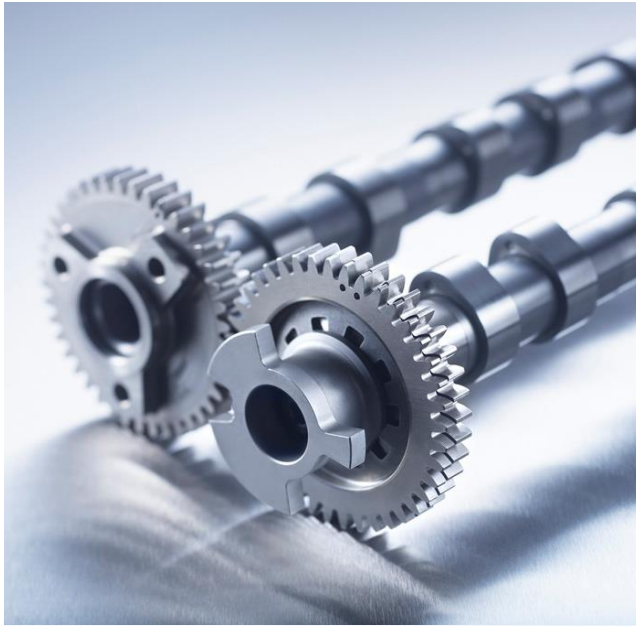
PORTFOLIO – Application Of Sintered Components



Applications:

- Engine
- Transmission
- Body, Chassis & Pumps
- EV
- Off Road Equipment

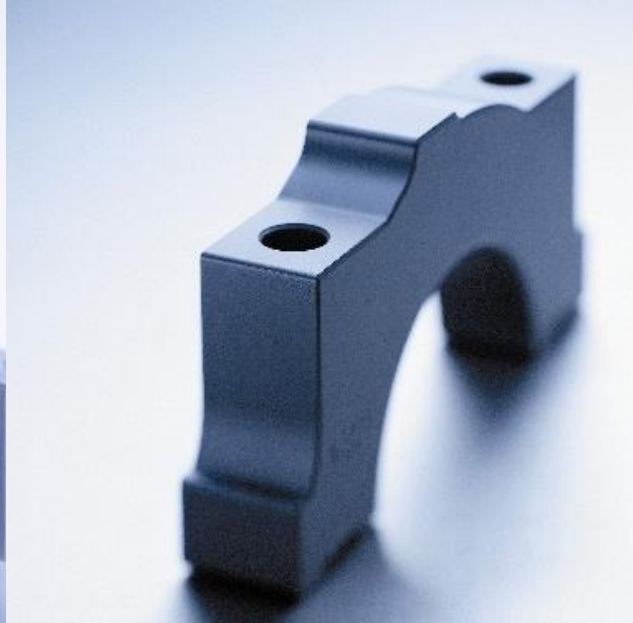
ENGINE – Specialists for Engine Characteristics and Valve Train Dynamics



Development and production of mass balancer systems

Innovative technologies in order to achieve

- cost effectiveness
- improved functionality
- reduced friction resistance
- optimized NVH Behavior



TRANSMISSION – Synchronization of Manual and Double Clutch Transmission



Innovative materials and processes

In-house competence for synchronizer design, friction materials and validation testing

Net-shape manufacturing

Cost effectiveness

Transmission test rigs @ Miba R&D

BODY, CHASSIS & PUMPS



Development & manufacturing partner on components for steering systems and pumps

Helical belt pulleys for Electrical Power Steering systems

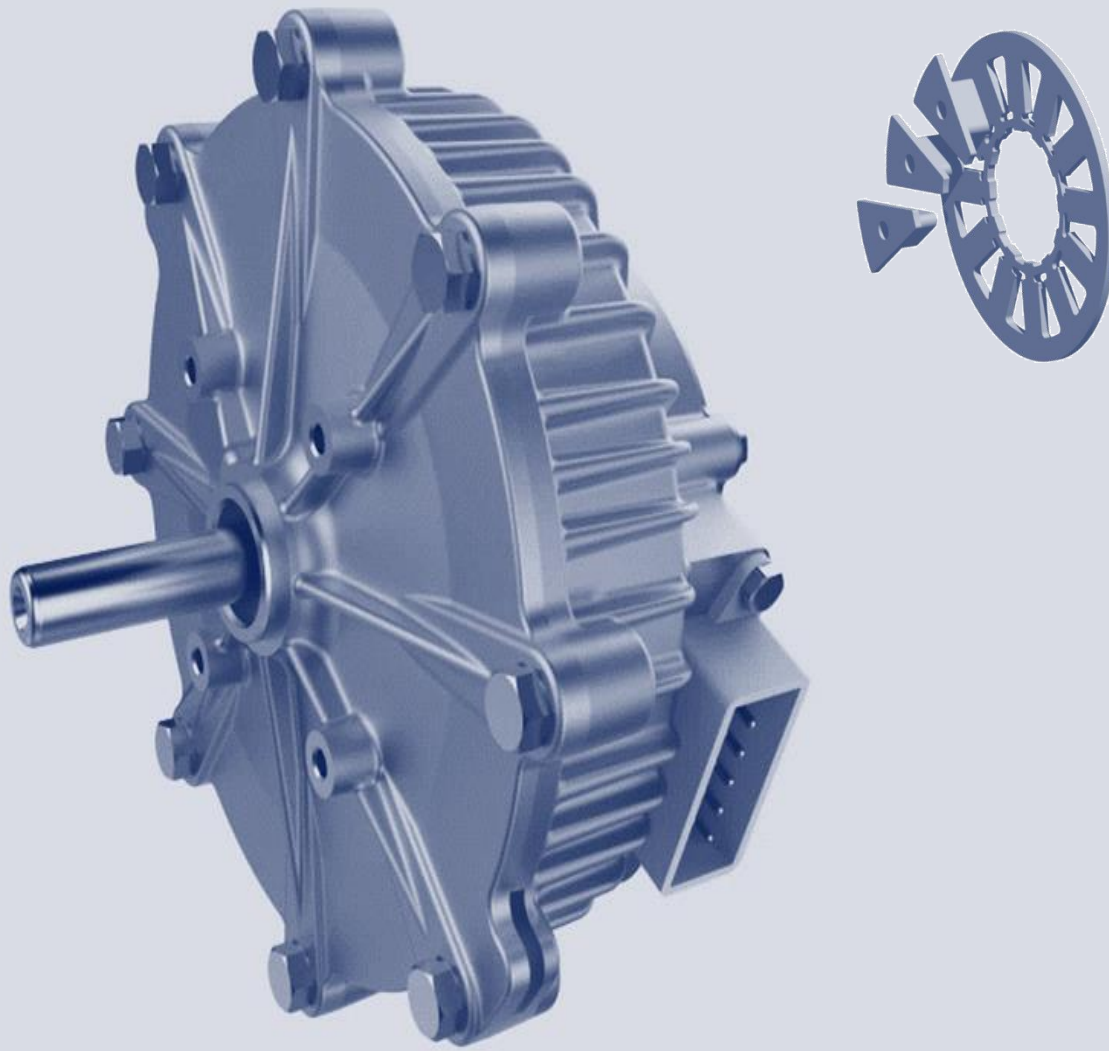
Rotors, slides and modules for variable oilpumps

Applications for HP-dieselpumps

Doubledisc grounded parts

Flexible supply solutions by global manufacturing

SOFT MAGNETIC COMPOSITE COMPONENTS - for modern electric machines with powder metal technology



Customization of e-motor design to customer's demand

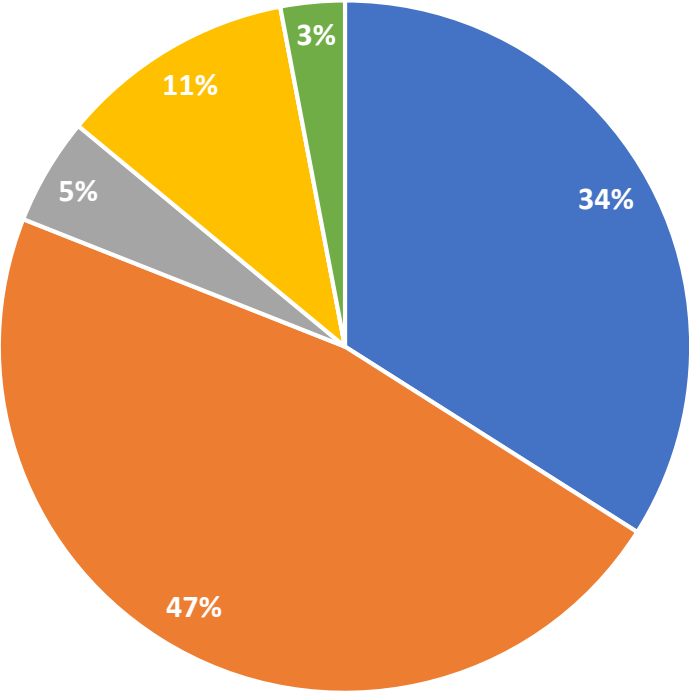
Optimum utilization of design space

Motor-topologies with high torque density

Economic solutions due to utilization of 3D-flux and replacement of Rare Earth Elements

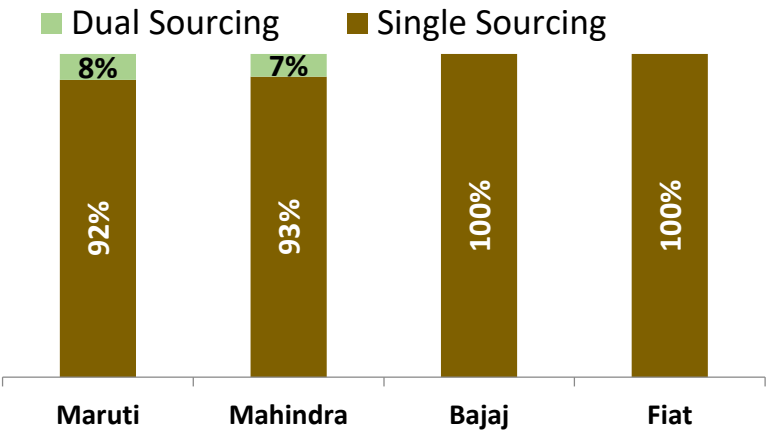
SINTERCOM – OVERVIEW

Customer-wise breakdown



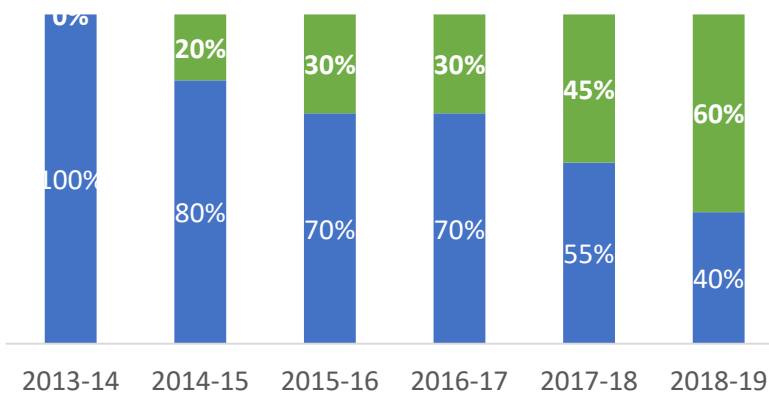
- Mahindra & Mahindra
- Maruti Suzuki Ltd
- Fiat India
- Bajaj Auto
- Hyundai
- Others

OEM wise Sourcing

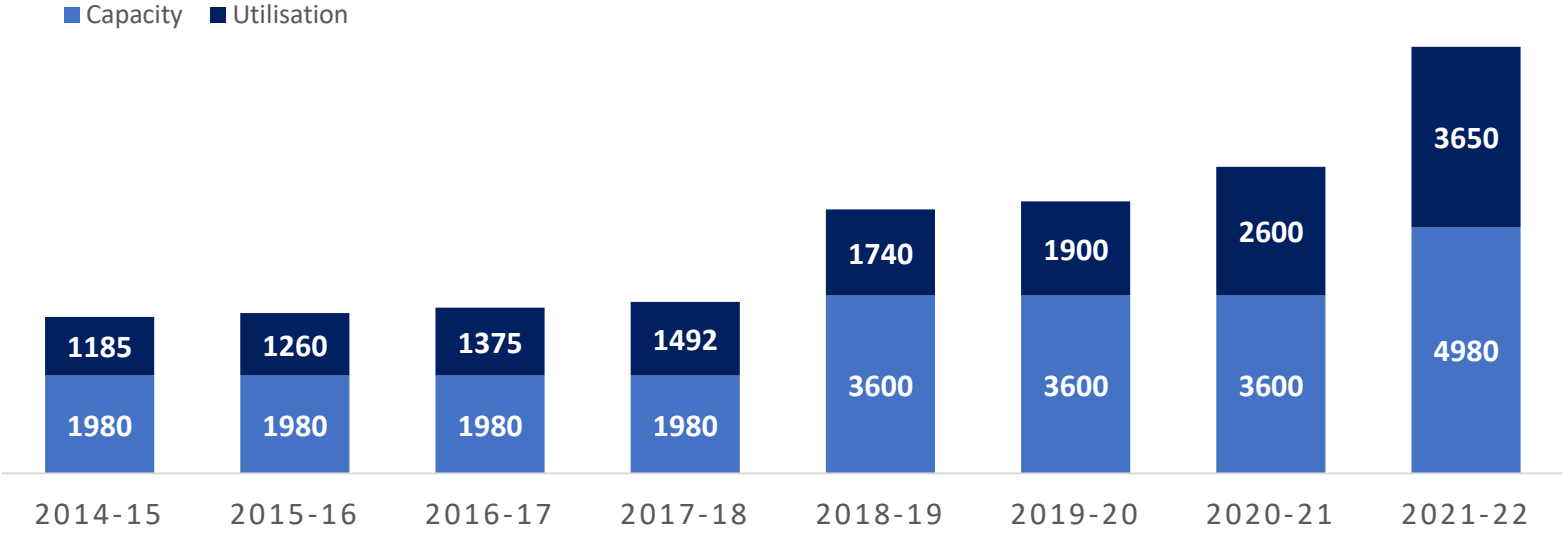


■ Diesel ■ Gasoline

Product Mix



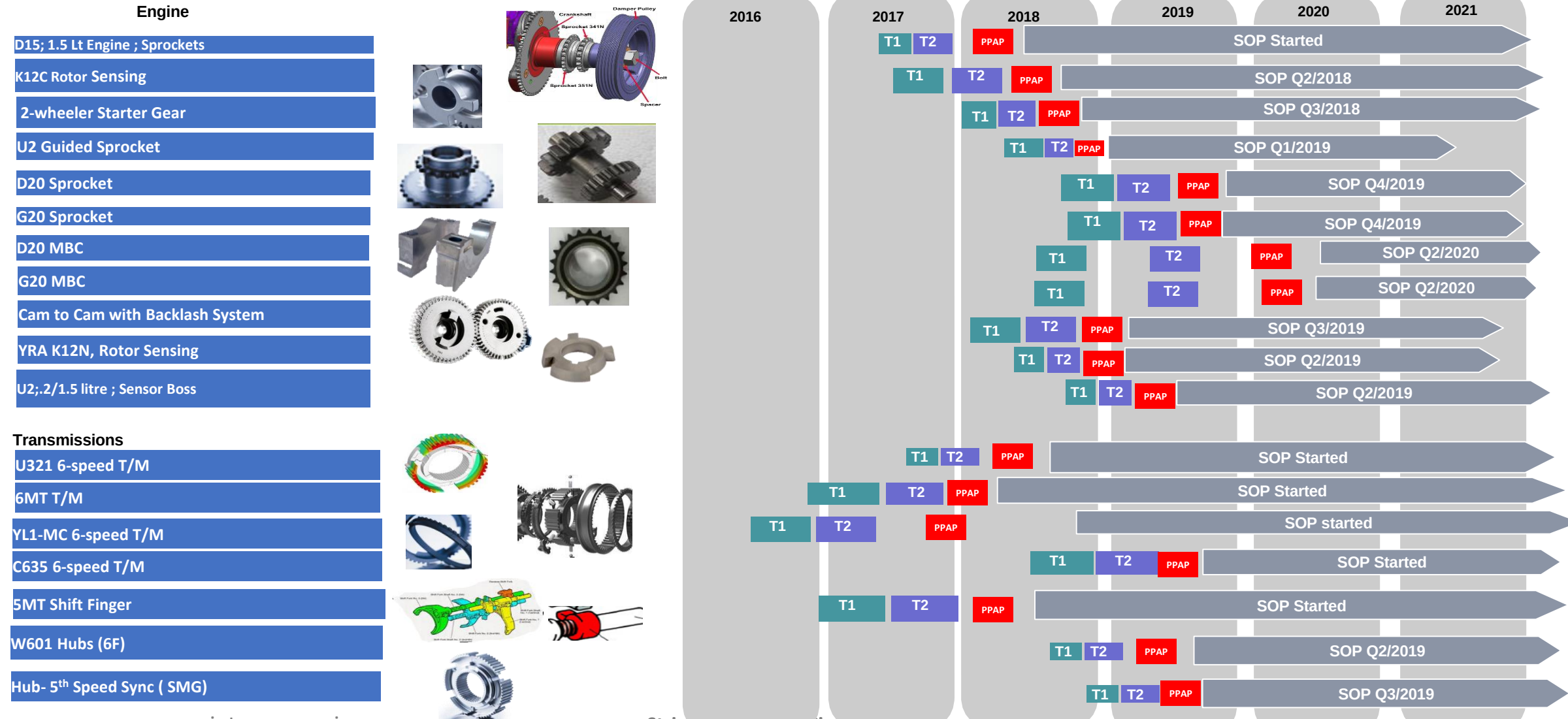
Capacity



SINTERCOM – NEW PRODUCT PIPELINE

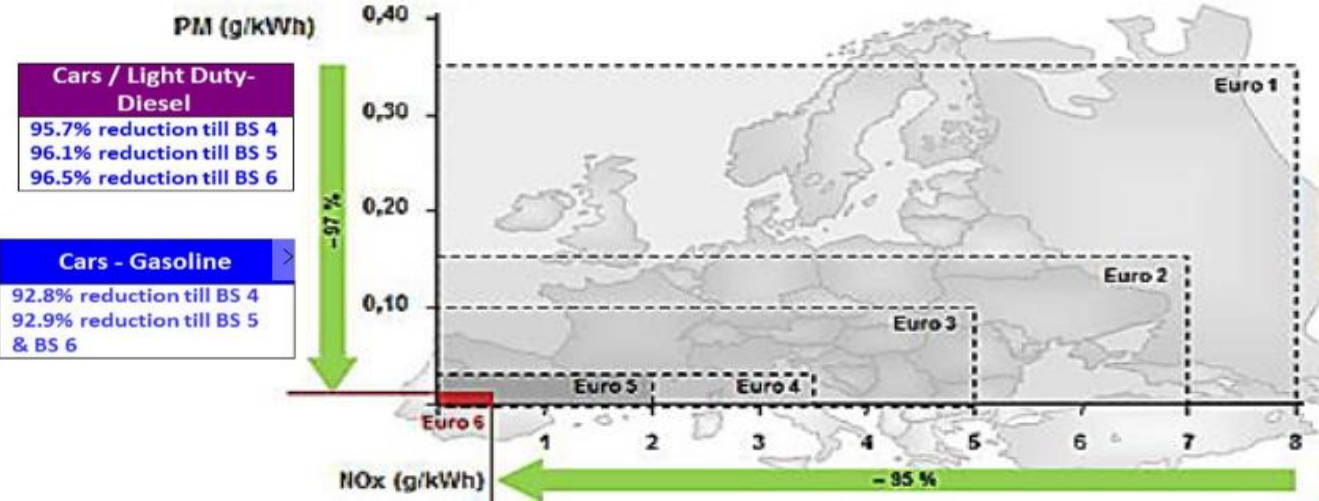
Product roadmap

Strong new product pipeline with multiple key upcoming introductions



INDIA EMISSION REDUCTION ROADMAP

BS-IV to BS-VI by 2020



4-W PASSENGER VEHICLES					
	CO	HC	NOx	PM	NVH
	g/km	g/km	g/km	g/km	dB
BS-III	2.3	-	0.5	0.1	80
BS-IV	1	-	0.25	0.025	75
BS-VI	0.5	0.1	0.08	0.0045	72*
2-W & 3-W VEHICLES					
	CO	HC	NOx	PM	NVH
	g/km	g/km	g/km	g/km	dB
BS-III	1.87-2.62	-	1-1.25	-	77
BS-IV	1.48-1.97	-	0.2-0.39	-	77
BS-V	1.14	-	0.13-0.225	-	72*

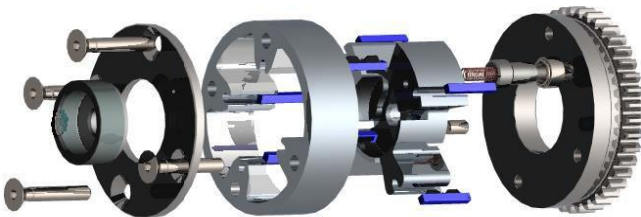
*-Proposed

PM Components – New Development for BS-VI

Scissor Gears



VVT Components



PU Coated Components



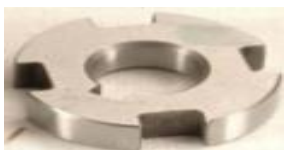
PM Components with Weight Reduction



Conversion parts



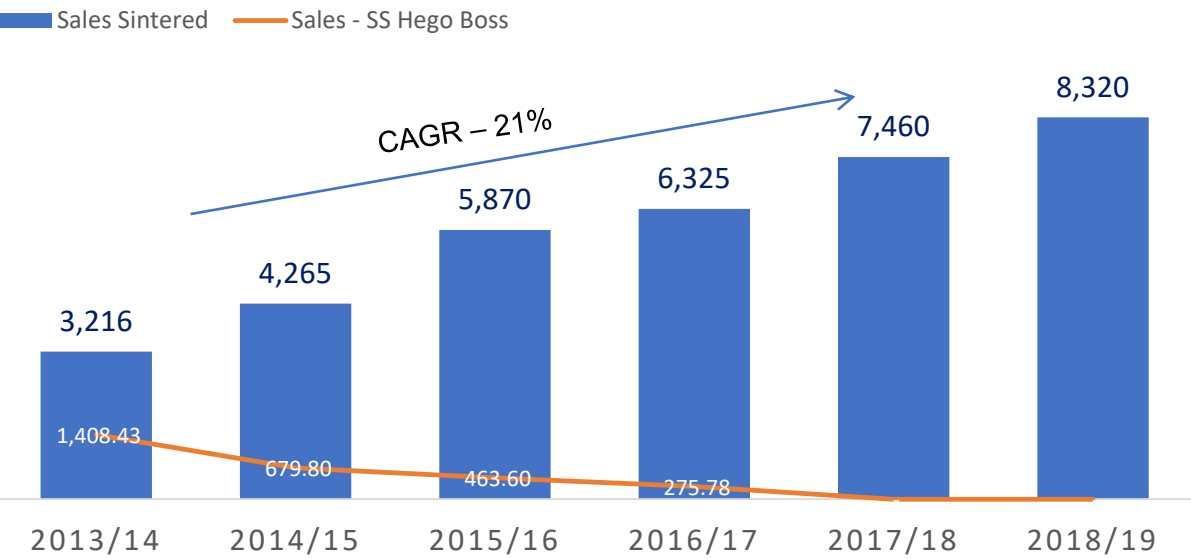
Sensor Boss



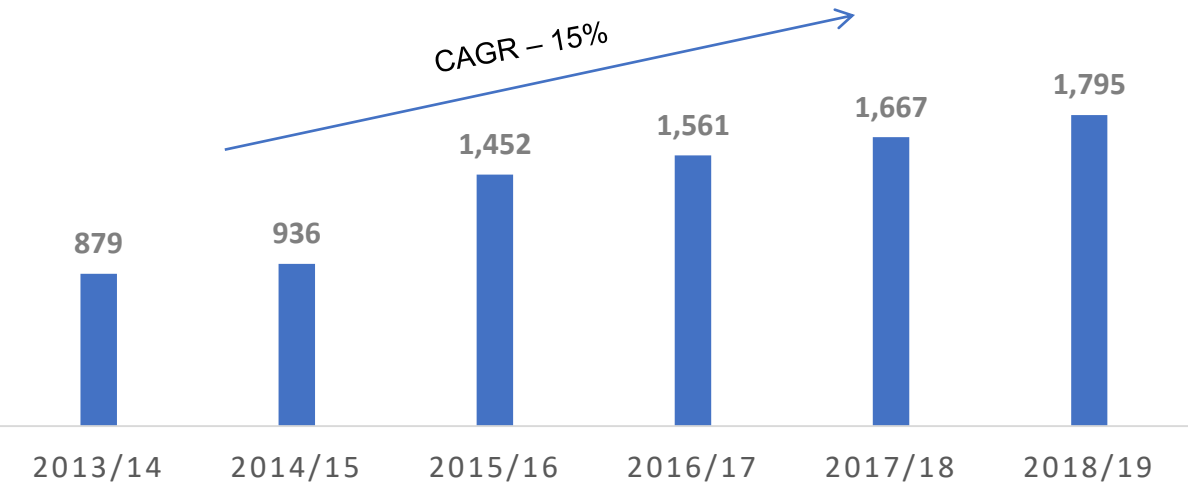
EFI & Pump Components

SIL FINANCIAL PERFORMANCE – GRAPHS

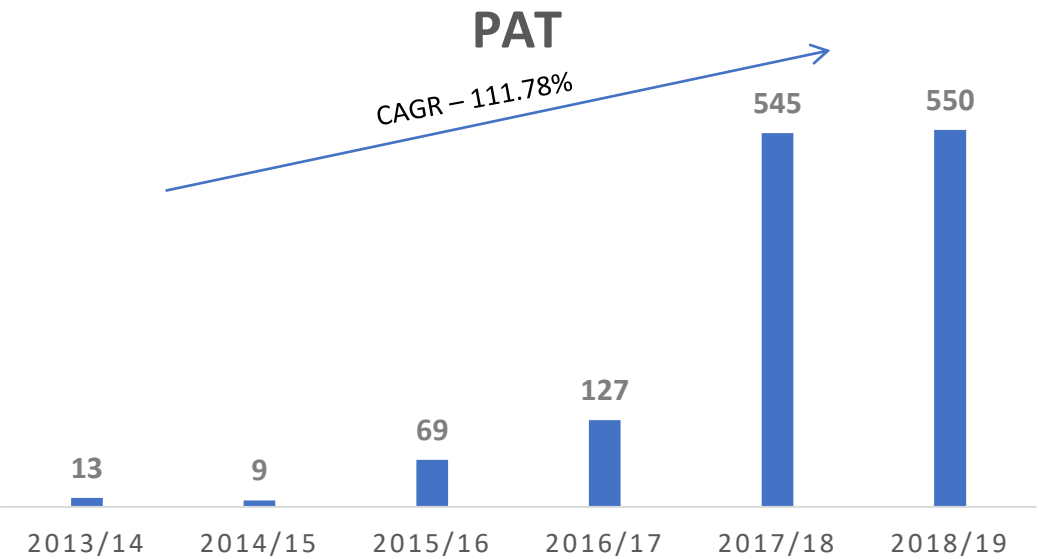
SALES



EBITDA

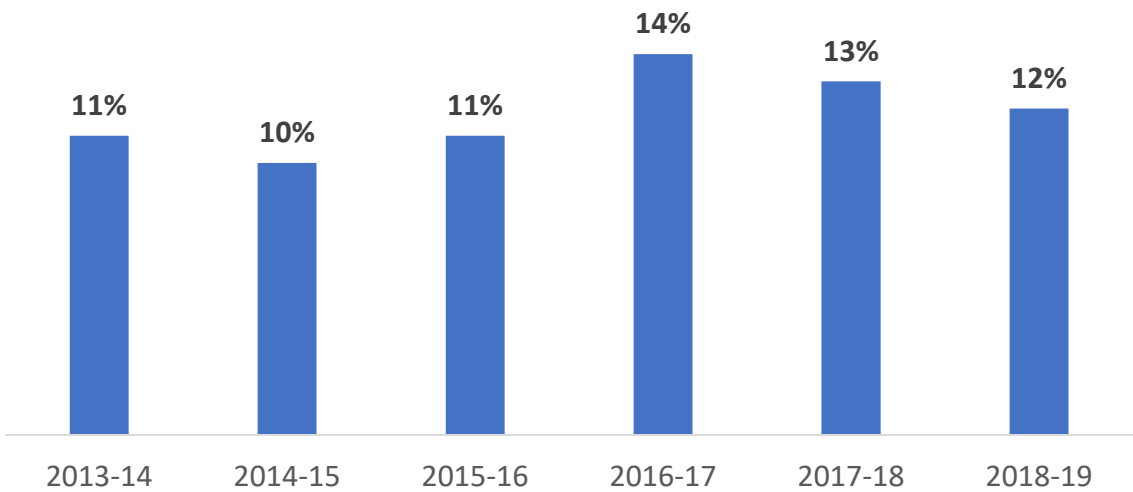


PAT

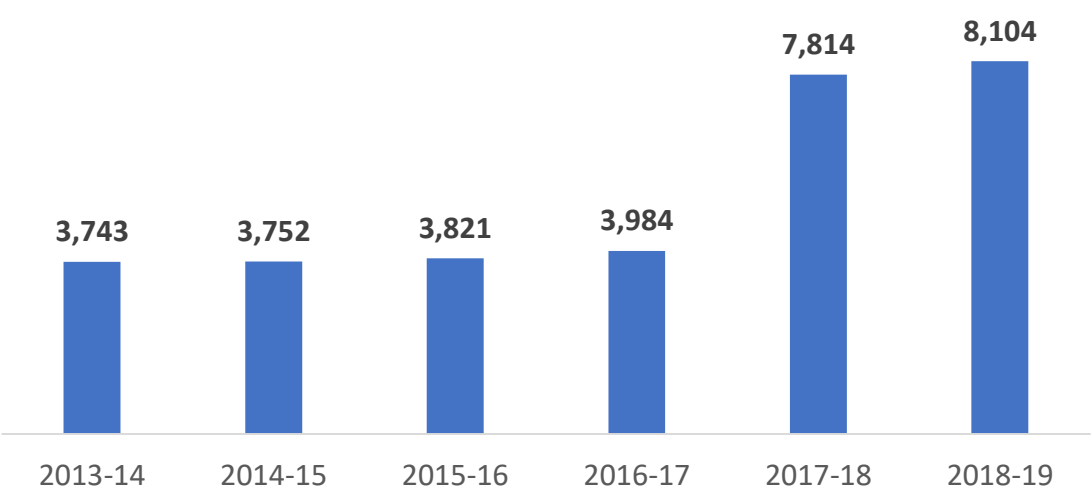


SIL FINANCIAL PERFORMANCE – GRAPHS

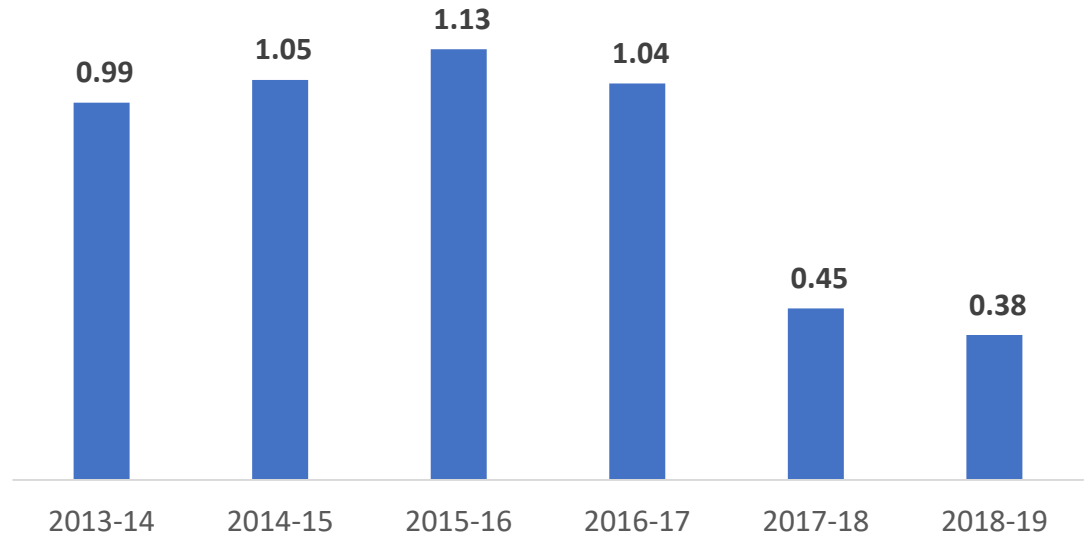
ROCE



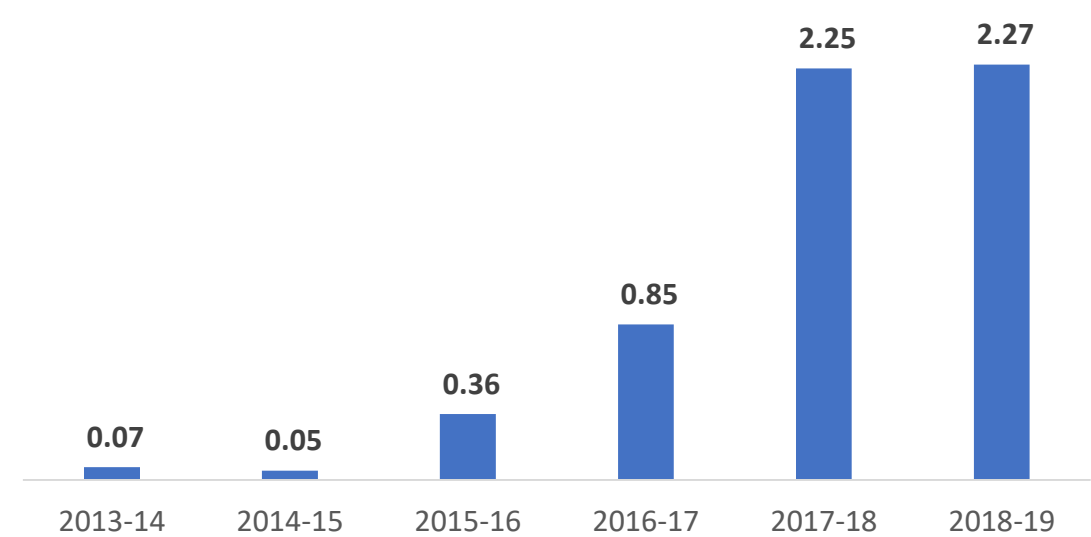
Net Worth (Rs. Lakhs)



Debt Equity Ratio



EPS



QUALITY- Certified by our Customers / External Agency

Award	Year
Appreciation from Maruti Suzuki for VAVE	2019
IITF 16949:2016 Certification	2018
ISO 14001:2015 (Environmental Management System) Certification	2019
ISO 45001: 2018 (Occupational Health and Safety Management System) Certification	2019
Appreciation from Bajaj Auto Ltd. for Best Kaizen	2016
Appreciation from Maruti Suzuki for Design & Development	2015
ISO- 14001:2004 Certified	2012
TS16949:2009 Certification	2010



Thank you