



# CAUTIONARY STATEMENT

The presentation may contain, without limitation, certain statements that could be considered forward-looking. Such forward-looking statements do not guarantee future performance; and may involve risks and uncertainties that could cause actual performance or results to be materially different from those anticipated in these forward-looking statements. The Company is under no obligation to update any forward-looking statements contained herein, should material facts change due to new information, future events or otherwise.

For historical financial numbers, readers are advised to refer to the financial statements approved by the Board of Directors of the Company, as appearing in the Annual Reports and quarterly Stock Exchange filings. The financial numbers in this presentation are from financial statements prepared and reported under Indian GAAP (I GAAP till 2015-16 and Ind AS thereafter). Financial ratios have been calculated based on customary definitions.

# **COMPANY SNAPSHOT**



Commenced operations in 1985 (1)

Largest Aluminium die-casting player in India<sub>(2)</sub>
Largest 2W/3W auto-comp company in India<sub>(3)</sub>
Leader in Suspension, Braking, Transmission
Presence in Advanced Electronics through Maxwell
Leading 4W aluminium die casting player in Europe

#### **Financial Strength:**

Profitability driven by operational efficiencies and scale

Deleveraged Balance Sheet

Consistent outperformance to industry growth

#### **Close Proximity** to automotive OEMs:

19 facilities in India and 12 in overseas locations, primarily in Europe.

**5** DSIR<sub>(4)</sub> approved R&D facilities in India.

2 Tech Centers in Italy

29 acre proving ground in Aurangabad

39 Patents and 34 design registrations received

97 Patent applications and 7 design applications

## STRATEGIC PRIORITIES

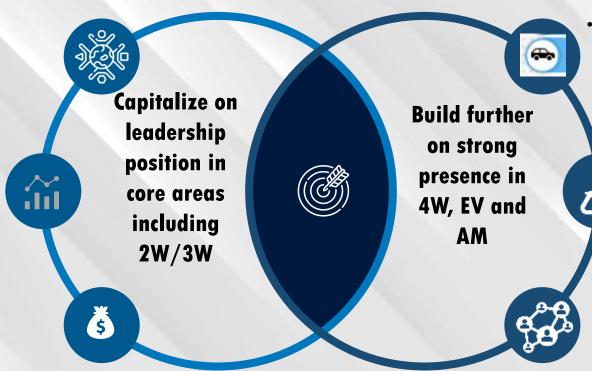


#### **Technology Leader**

- Introduce high-end technologies for premium segment.
- Expand premium offerings to mid and low segment.
- Ensure continuous development and value creation

#### **Profitable Growth**

- Increase wallet share with all customers
- Improve product mix by premiumizing existing products
- Expand export sales
- Enhance operational efficiencies
- Drive backward integration and outsource non-critical operations
- Evaluate and implement plant consolidations
- Include clean-sheet costing and back-to-back price adjustments in vendor negotiations



#### Four Wheelers (4W)

- Reach 45% of Consolidated Turnover in FY30 from 27% in FY23
  - Ensure continued growth of our profitable European operations serving marquee OEMs
  - Augment offerings in al. die casting, forging, embedded electronics, driveshaft
  - Enter new products through technology alliances/ M&A in India and Europe

#### **Electric Vehicles (EV) & Hybrid**

- Partner with established OEMs and identified new entrants
- Launch new products which are EVcentric / EV-agnostic
- Build further on impressive EV order book in Europe and India

#### Aftermarket (AM)

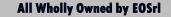
- Reach 10% of turnover in FY26 from 6% in FY23
  - Improve penetration in South India
  - Enter new countries with high export potential
  - Strengthen AM in Europe



## CORPORATE STRUCTURE







Endurance SpA (Lombardore & Chivasso, Italy)

High Pressure Aluminium Die Casting & Machining

Endurance Fondalmec SpA was merged with Endurance F.O.A. SpA effective 1<sup>st</sup> Jan. 2019 and its name was changed to Endurance SpA.

Endurance Engineering Srl (Grugliasco, Italy)

stake will be acquired in phased manner over next 4 years.

Moulding of Plastic Parts

Endurance Castings SpA (Bione, Italy)

High Pressure Aluminum
Die Casting

Endurance Adler SpA (Rovereto, Italy)

Transmission Components and Braking Technologies

Veicoli Srl (Turin, Italy)

Software platform for fleet management

Frenotecnica Srl (Rovereto, Italy)

Friction material and Braking components

New Fren Srl [Ciriè (Turin), Italy]

Friction material and Braking components

Fonpresmetal Gap SpA was acquired by Endurance Overseas SrI on 7<sup>th</sup> Jan. 2019. and its name was changed to Endurance Castings SpA

GDS Sarl (Hammas Sousse, Tunisia)

# STRATEGICALLY LOCATED FACILITIES WITH CLOSE



31 plants in multiple Locations across India, Europe and Africa

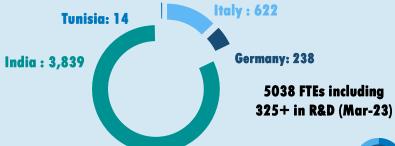
**PROXIMITY TO OEMS** 



PLANTS IN

R&D

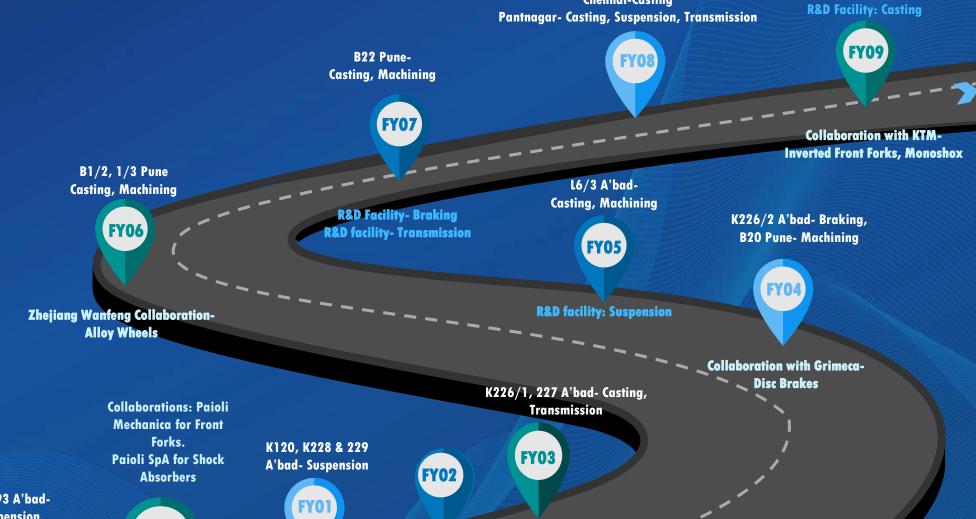
**PLANTS IN EUROPE** 



#### **ENDURANCE OUR JOURNEY - CORPORATE EVENTS Endurance** Veicoli Adler Endurance IPO- public 17.5%. Maxwell, **Castings SpA** Full exit to PE. Frenotecnica, Newfren **FY22** Partial promoter dilution FY21 **FY19 FY23 FY17** EESRL **FY14** OFS- Public 25%. **Further promoter dilution SCPE** stake acquired by Actis **EOSRL Endurance SpA** Indian operations **FY12** consolidated under single entity-ETL **FY08 Endurance GmbH** HTTS **ESSIPL (Now** FY07 ETL) **ESIPL** FY02 **AECPL FY97 FY95 Private Equity funding** FY82 by SCPE Appendix (A) — India Entities Appendix (B) — Overseas Entities

# OUR JOURNEY - TECHNOLOGY, R&D, PLANTS Chennai-Casting





**B2 A'bad- Casting** 

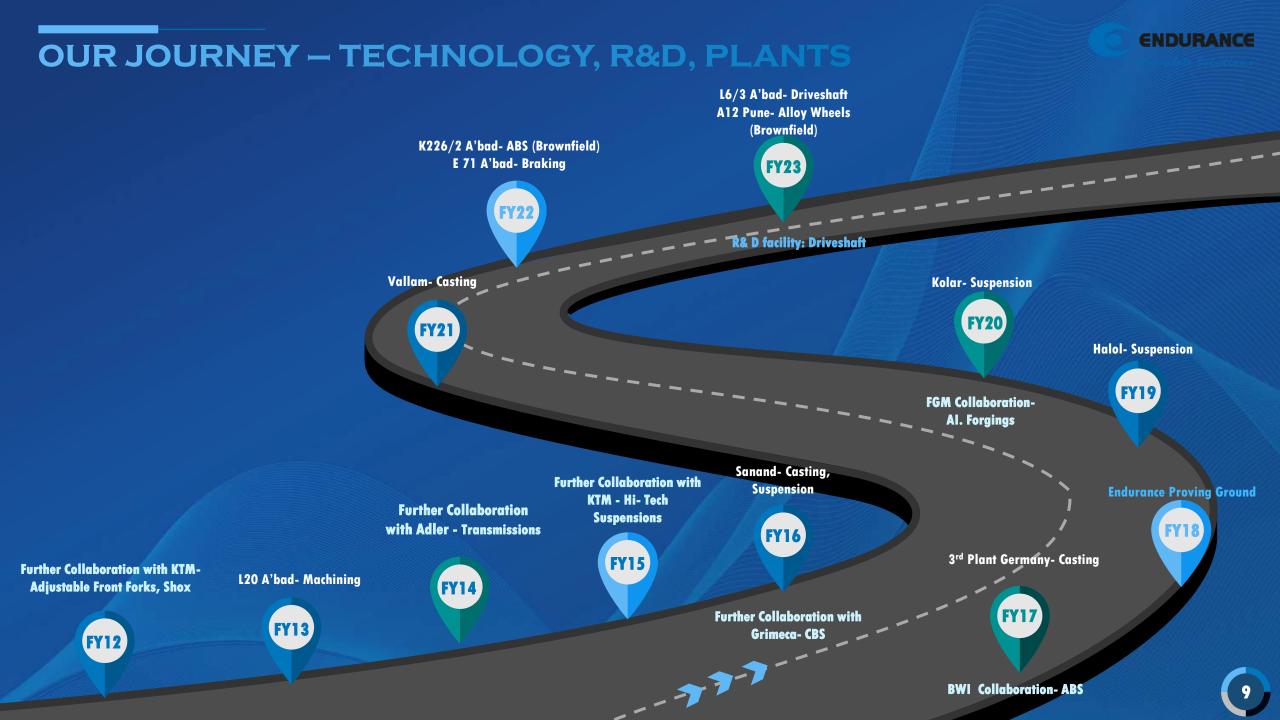


E92/93 A'bad-Suspension



FY99

Collaboration:.
Adler- Transmissions



## **ENDURANCE PROVING GROUND (EPG) AT AURANGABAD**



- High Speed Performance Track
- T2 Ride and Evaluation Track
- 13 ABS and Evaluation Track
- Handling Track
- T5 Gradient Track
- T6 Steering pad
- Mud, Water trough and Dust Tunnel
- T8 Country Track
- Bl Admin Building, Control Tower & Workshop



EPG enables us to test our products on vehicle and further strengthens our position as a Complete Solution Provider.



EPG is meant for Handling & Maneuverability, Ride Comfort, Drivability, Brake/ABS performance and Reliability evaluation





ABS test surfaces have provision of testing the brake system under wet and dry conditions on different friction surfaces.



Consists test surfaces required for evaluation of Suspension, Transmission & Brake assemblies of 2W, 3W & Quadricycle.

## **COMPLETE SOLUTION PROVIDER TO CUSTOMERS**



Structured product development to get "first time right" products

Focus on developing innovative, lean and cost competitive designs to maintain a technological edge across product range



**Manufacture** 

Facilities (including Proving ground) for material, component, product and vehicle level testing

Manufacturing facilities in proximity to customers, to ensure timely delivery



Manufacture wide range of products serving the diverse requirements of customers

Provide end-to-end services from conception to end-user delivery Aftermarket sale for a wide range of technology intensive auto components products

## WIDE RANGE OF PRODUCTS





**Electronic Suspension for** 200cc+ motorcycles

**Embedded Electronic** products

**APTC (Assist & Slip) Transmission for 200cc+** motorcycles

**4W Driveshaft** 

**Dual Channel ABS** 

**RECENTLY ADDED PRODUCTS** 

**LEGACY PRODUCTS** 







**2W ABS** Modulator

**Aluminium Die-castings** 





2W - 2 & 3 Pot Brake Caliper

**Assembly** 





**3W Driveshaft** 



**2W Aluminium** Alloy Wheels









**Brakes For Higher Cc** Vehicles.



**Inverted FF** Assembly (Cartridge Type)

2W / 3w **Transmissions** 







**Al. Castings For EVs And Non-auto Applications** 





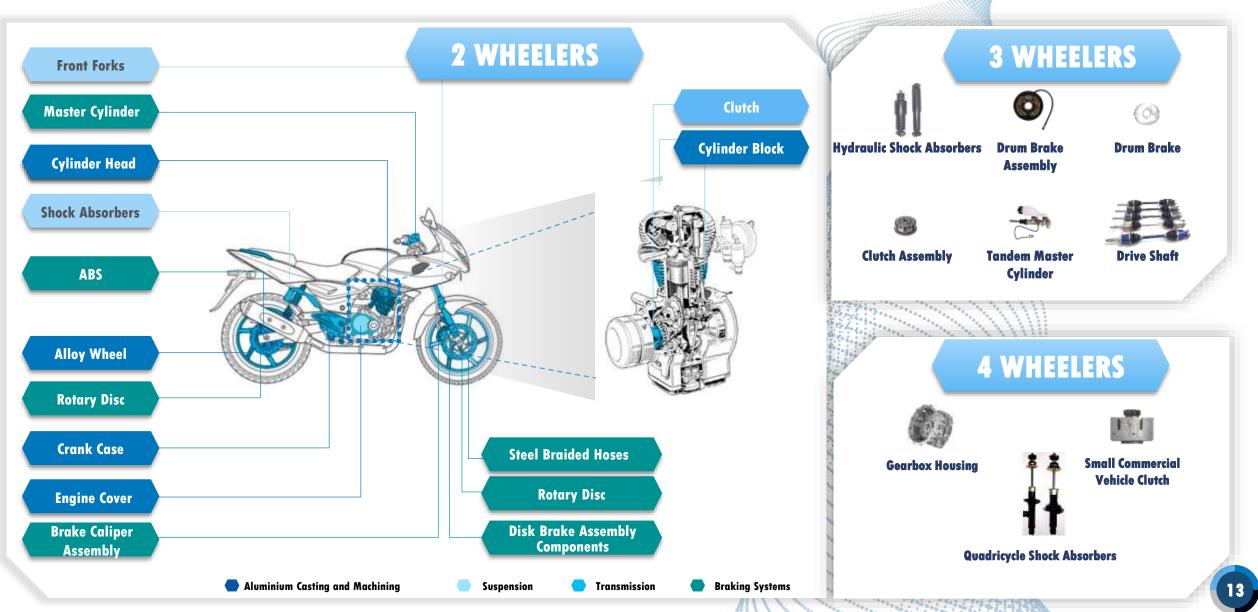




## INDIA: TIER 1 SUPPLIER OF DIVERSE PRODUCT OFFERINGS



Endurance supplies a diverse range of technology-intensive products to 2W / 3W / 4W OEMs



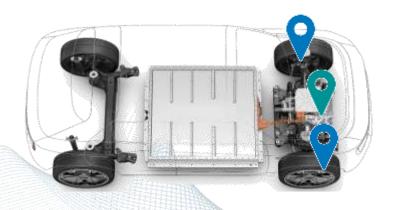
## **EUROPE: DIVERSE PRODUCT OFFERINGS**



#### Endurance is a Tier 1 Supplier for multiple technology intensive products to 4W OEMs

# STRUCTURAL AND BODY PARTS Steel Wheel Hub Head Axle Cross Member Steering Housing

ENGINE PARTS			
Cam Carrier	Specialty Plastic Cover	$\setminus$	Exhaust Manifold
EGR Plastic Pipe	Oil Pan		Various Brackets







#### **EV PARTS**

**Stator Housing** 

Cover

Various Brackets

Oil Module

**Transmission Housing** 



#### TRANSMISSION PARTS

**Transmission Housing** 

**Torque Convertor Housing** 

**Internal Ring** 

**Gear Box Housing** 



## **EUROPE: DIVERSE PRODUCT OFFERINGS**



## Endurance is building a strong presence in technology intensive products for 2W, particularly for the Aftermarket

## **BRAKE SYSTEM PARTS**

**Brake Discs** 

Drum

**Brake Pads** 

**Steering Housing** 



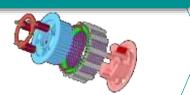
## **TRANSMISSION & FRICTION PARTS**

**Clutch, Gear and Friction Plates** 

Gear

Clutch Actuator

**Torque Limiter** 



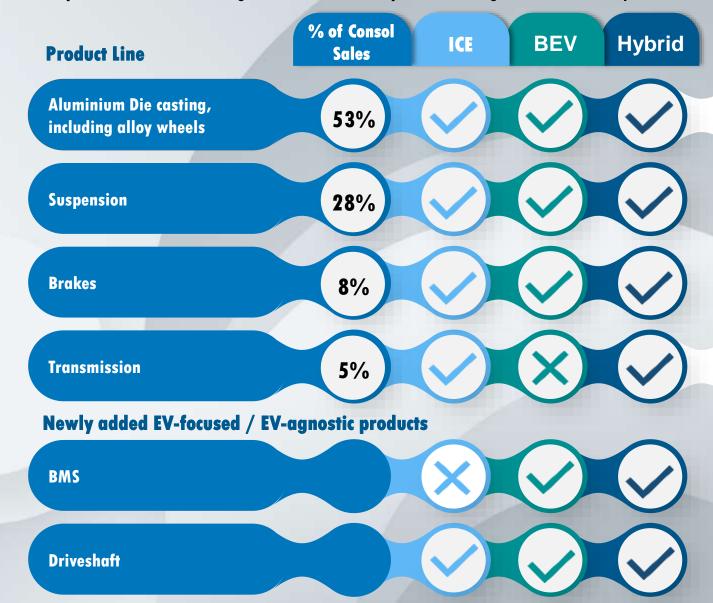




## RELEVANCE OF PRODUCTS POST ELECTRIFICATION



In India, based on current indications, it is believed that EV penetration in scooters and 3W would be  $\sim$ 75% by 2030 and much lower in motorcycles, at around 10-15%. In Europe, the transition to EV in high-end vehicles, and to Hybrid in mass segment is seen as fast-paced.



Our analysis of comparable speed vehicles in EV and ICE models — EVs tend to have more number of aluminium die casting parts, with lower weight and comparable value.

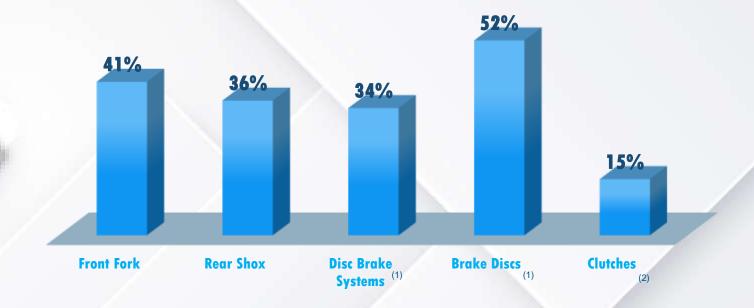
Clutches not required for EV motorcycles and EV3W. Bulk of our clutch sales today are for motorcycles, where pace of electrification is the slowest

## MARKET SHARE

# Complete Solutions

## India

Market share based on internal estimates of 2W market size in India (for our product categories) and quantity of parts sold in ETL in FY23



- (1) Percentage calculated on estimated 2W production in India, with disk brakes.
- (2) Percentage calculated on total motorcycle production in India.

We are the leader in Aluminium Die **Castings in India** 

We are a dominant player in **2W** brakes and suspensions (Among top 2 players)

In Transmissions, ABS and Driveshaft, we compete with large multinational companies with presence in India





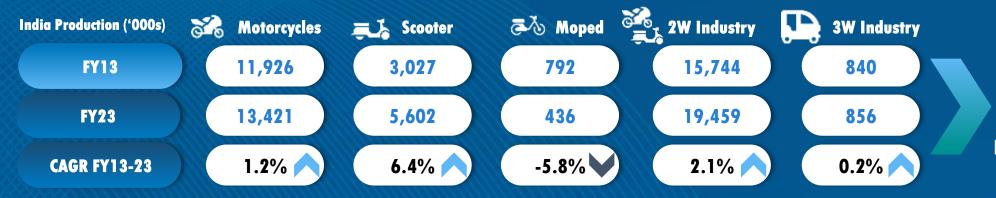




## **CONSISTENT OUTPERFORMANCE OVER INDUSTRY**

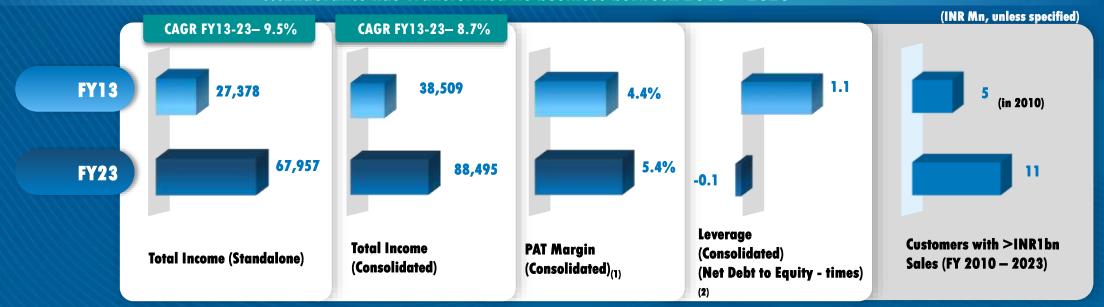


Endurance has consistently outperformed growth in the broader industry by successfully expanding its customer base, focus on R&D, ability to manage costs and reducing new product development time.



While Industry has shown reasonable growth in India, and EU Industry 10 year CAGR reflects de-growth...

#### ... Endurance has Transformed its business between 2013 - 2023

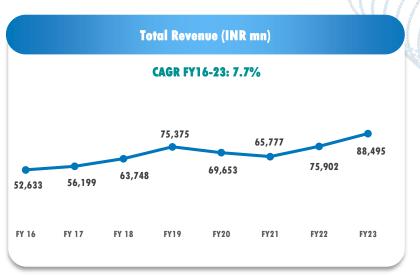


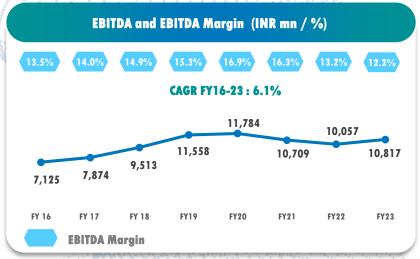
Notes: Source: Industry data sourced from SIAM. Financials are under INDAS from FY 15-16 onwards & under IGAAP till FY 14-15.

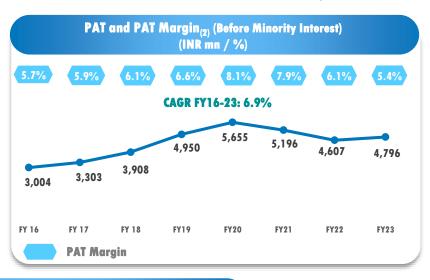
- Calculated as profit before minority interest divided by total revenue.
- Net Debt to Equity = (Long Term Borrowings + Short Term Borrowings + Current maturities of long term borrowings Cash and bank balances Current investments) / Total Shareholder's Funds.

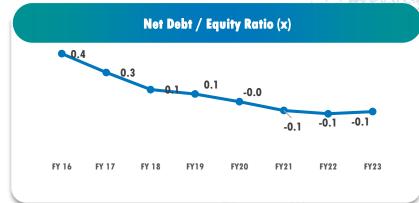
## PROFITABLE GROWTH & DELEVERAGED BALANCE SHEET

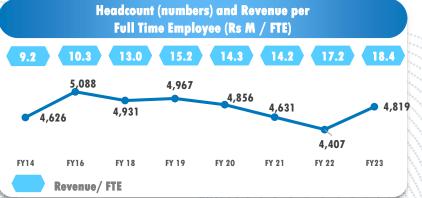












Track record of ahead of industry growth. EBIDTA and PAT growth have outpaced revenue growth.

Deleveraged balance sheet, consistent financial performance

Financial Performance and risk mitigation led to improved ratings from Crisil and ICRA — Long term: AA+ (Stable). Short term: A1+.

Focus on employee productivity

## **GROWING AND PROFITABLE EUROPEAN BUSINESS**



#### **Focus on High-end Casting Products**



**Engine** Cover / cam carrier

**Exhaust Manifold** 



Suspension and Body Hub



**Gearbox housing** 



**Clutch Housing** 



Long-standing relationships with renowned PV/CV OEMs.

- Large orders in **EV/hybrid**
- Sole supplier status in 85% of our volumes
- Effective mitigation of energy price risk

Focus on profitable growth

**High margin products** 

Strategy **Marquee customers** 

**Expansion** 

. . . . . . . . .

**Improvement** 

Inorganic growth

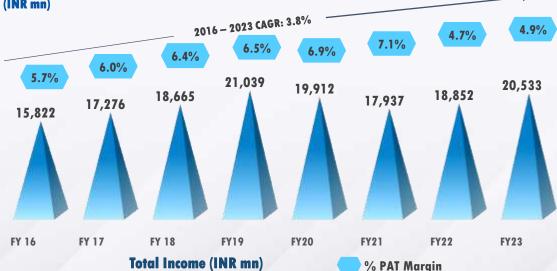
**Aftermarket Presence** (2 wheeler)

> Diversification of product technology and material solutions

**Capital Efficiency** Increasing machining automation for highvalue products

> Introduction of higher-tonnage PDC machines for large and complex castings.

#### Profitable Revenue Growth (INR mn)

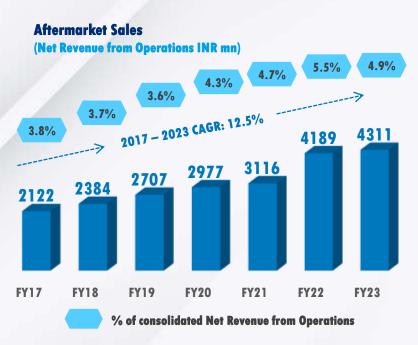


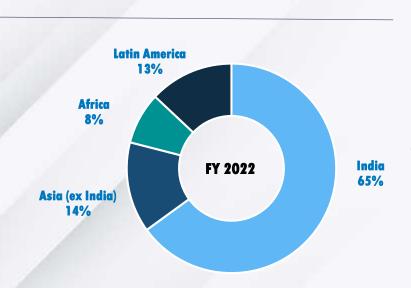


<sup>1.</sup> Net Revenue from Operations: under INDAS (FY18 & FY19 numbers are after incorporating IND As 115);. PAT margin calculated as restated profit before minority interest divided by total revenue

## **EXPANSION OF PRESENCE IN AFTERMARKET SALES**









Established Aftermarket Business

32

**Export countries** 

3

Company run Distribution Centers (of which 1 for tyres)

**501** 

Distributors/ dealers in India (Including 83 for tyres)

46

**Distributors Overseas** 

**69** full time employees across

36 locations



## **Higher Margin**

**B2C Business Model** 

#### **Branding**

Program for increasing retailers / mechanics contact & loyalty towards the brand Improve brand image and visibility

#### **Product Growth Drivers**

Product penetration by introducing products for new models., Trading of 2W & 3W auto parts not manufactured by Endurance

**Expand Distribution/ dealer Network** 

**Growth Strategy** 

#### **Domestic Growth**

Focus on, Rajasthan, Gujarat, Telangana, Andhra, Tamil Nadu and Karnataka

#### **Exports**

Entering new countries every year in line with OEMs



## MANAGEMENT FOCUS



## Technology/R&D

- Technological Leadership
- Product Development with focus on cost, durability & performance
- Innovation

#### **Governance**

- Ethical business practices
- Review Mechanisms
- Compliances
- High standards of governance

## Social

- Holistic community development
- Training and Education
- Livelihoods
- Health and Sanitation



## **Operations**

- Operational Excellence
- Winning new orders
- Supply Chain Management
- Customer Centricity
- Quality
- Delivery performance

## **People**

- Health and Safety
- People Development
- Gender Diversity
- Teamwork
- Engagement

#### **Environment**

- Monitor ecological impact
- Drive Carbon Neutrality
- Drive Waste management
- Save water

## **OUR CORE VALUES**

**SURVIVAL** 

















**Delivering a Larger impact** Achieving ETL's goals by living the values SERVICE **Integrity & Transparency** Honestly, accountability, work ethic, clarity, communication, openness, trust **INTERNAL COHESION Innovation Value Creation & continuous improvement TRANSFORMATION Customer Centricity** Result orientation, passion, going the extra mile, co-& Teamwork ownership, mutual respect, collaboration (internal & **BUILDING RELATIONSHIPS & ENSURING** external), communication **HIGH PERFORMANCE** Financial strength, organisational growth, quality **Sustainable Performance** assurance, EHS first, employee satisfaction,& engagement, stakeholder value

# A STRONG AND DIVERSE, SAFETY-FIRST CULTURE



WITH EMPOWERED LEADERS

#### **CULTURE**

Proactive, hardworking, result-oriented, passionate, committed team players who lead by example, believe in continuous improvement & celebrate the smallest of wins.

#### **DIVERSITY**

Celebration of diversity (be it gender, race, ethnicity, region) is a strategic priority for Endurance as it fosters creativity and enables us to innovate and grow together.

#### **PEOPLE MANAGEMENT**

Developing capable leaders, capitalising on their strengths and overcoming their weakness via objective assessments, mentoring, consistent constructive feedback and detailed development plans. Focused initiatives for high potential employees in larger roles.



#### **MANAGEMENT OF CHANGE**

Prioritization of human life & environment in decisions Certification from EHS team for all material/design/layout changes, expansions, greenfield/brown field projects.

**Measurement of impact** of our decisions on EHS parameters & incorporation of EHS in decision making.

# DAILY SAFETY CHAMPIONS, VSL, & CONSEQUENCE MANAGEMENT

Daily safety champions and Visual Safety
Leadership to evaluate safety practices, conduct
mock drills, share learnings & deploy best
practices

An **EHS first culture** ensuring zero tolerance for **EHS** violations

#### **CONTRACTOR SAFETY MANAGEMENT**

Contractor safety management Setting mandatory criteria for each group defined by risk categories

Developing their capabilities through trainings on best practices, EPRP, hazard identification & management, risk assessment, competency mapping for employees

## DRIVING SUSTAINABILITY



#### **DRIVING CARBON NEUTRALITY**

- >> Effective utilization of natural resources.
- )> Creating carbon sinks by developing dense forests and driving plantation.
- >>> Transitioning to renewable energy with wind energy and solar power plants across locations
- >>> Driving use of natural gas and LPG in the place of furnace oil and electricity.
- >>> Usage of energy efficient furnaces and LED lights, and sensors in common spaces to avoid wasting energy.
- >> Arresting air leakages from compressors and optimizing use of energy

#### **RECYCLING & SAVING WATER**

- >>> Usage of Sensor based overhead tanks, water guns instead of water hoses, and push type taps.
- >> Switched from painting to powder coating
- >> Reuse of water from treated effluent for gardening, cooling towers, toilets
- >>> Rain-water harvesting and proactive leakage arrest



# DRIVING ZERO WASTE TO LANDFILL & HAZARDOUS WASTE REDUCTION

- Neduced hazardous waste generation by switching from painting to powder coating in several plants.
- We use oil skimmer in tanks to recover & reuse oil and try to proactively arrest leakages of oils and coolants
- >>> Hazardous waste generated from our manufacturing facilities used as raw material for other industries, metal and non- hazardous waste is recycled with the help of authorized recyclers.
- >>> The paint sludge from our operations used as raw material in cement industries & our grinding dust is converted to iron oxide for paint industries.
- >>> Usage of returnable packaging and composting waste to achieve zero waste to landfill

## **DRIVING SUSTAINABILITY**



GRI Parameters for India business

**Carbon neutrality** 

Specific electrical energy consumption

Specific thermal energy consumption

Specific water footprint reduction

**Water recovery** 

Hazardous waste recycling

Training to employees in sustainability

Renewable energy generation

Tree plantation

Unit
%

Reduction in Kwh/ INR Sales

Reduction in Mkcal/ INR Sales

Reducton in kL/INR Sales

%

%

**% Employee Coverage** 

%

**FY23 Achievement** 

22.6

4.2%

5.1%

3.8%

54

10

70

15

52,475

# DELIVERING LASTING IMPACT WITH EVERY COMMUNITY WE TRANSFORM, EVERY INDIVIDUAL WE EMPOWER AND EVERY CHILD WE INSPIRE

**EDUCATION** 



HEALTHCARE & SANITATION



**ENVIRONMENT** 



**LIVELIHOODS** 











Deepened 40kms of natural canals, creating water capacity of 27 Cr. litres



Trained 1500+ individuals at ECOVE (collectively earn Rs.34Cr.+ annually)



Distributed 178 bicycles to girls to safely commute to school

Renovated 34 schools with libraries,

computer labs, and toilets



Implemented cleanliness drives in 11 villages benefiting 4700 villagers

Organized health camps for 5236 villagers

with 137 cataract surgeries



De-silted ponds in 9 villages benefiting 350+ farmer families



Empowered & supported 1857 + women to start their own businesses



Trained 75 teachers in life skills



Constructed 2023 toilets and trained 20,000 villagers in 30 villages



Laid pipeline of 1.5km for drinking water provision to villagers



Supported 93 farmers in drip irrigation, 26 farmers in hydro-phonics & Trained 137 farmers



Inspired 3800+ children for 100% attendance



Renovated 3 health centres benefiting 38,000 people in 51 villages



Constructed 5000+ mangers saving 40% fodder



Employed 47 women for cleanliness drives, sanitary napkin manufacturing,



Empowered 1150 individuals via "World on Wheels" computer training



181 men de-addicted from Alcohol; conducted yoga camps for 600+



Developed 11 dense forests (19.75 acres), Planted 40k+ plants (>99% survival)



Trained & supported 23 farmers for livelihood in poultry industry & treated 3000+ animals

## **AWARDS AND ACCREDITATIONS**

Grand Award for QCDDM performance in 2016-17 by HMSI

Supplier Quality Excellence Award 2019 from General Motors.

**Award for New Product** 

**Development 2018-19 from HMSI** 

Irom ramana

Global TVP Award for the Alloy Wheel Plant at Chakan (Pune) from Yamaha



Recognized amongst India's "Best Managed Companies-2022" by Deloitte.

Felicitated with ET Edge Award for 'Factory of the Future' in 2022 FROST & SULLIVAN

Gold category Award in the India Manufacturing Excellence Awards 2019 by 'Frost & Sullivan'

Awarded as
'Most Innovative, Disruptive &
Transformational company' at
Moneycontrol Pro's Indian Family
Business Awards '21.



National Energy Conservation

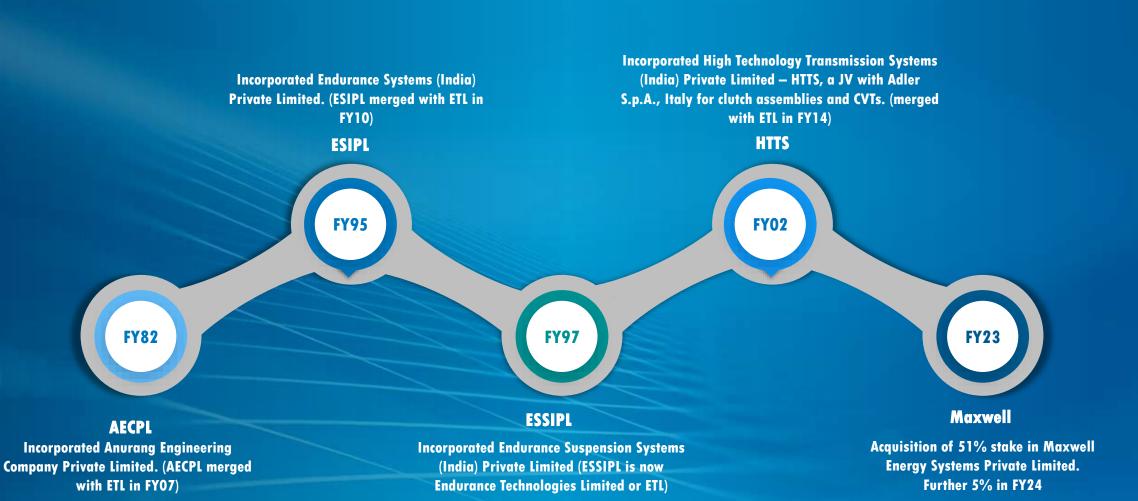
Award by the Bureau of Energy

Efficiency.



# NEW ENTITIES - INDIA [APPENDIX A]





## **NEW ENTITIES - EUROPE [APPENDIX B]**





Acquired Amann Druckguss, GmbH Germany (now known as Endurance GmbH)

**Endurance GmbH** 

EOSrl acquired 51%, & later full stake in Fondalmec Italy. (since merged into Endurance SpA)

**Endurance SpA** 

Endurance Engineering Srl, Italy incorporated by EOSrl

**EESrl** 

EOSrl acquired Fonpresmetal Gap SpA Italy (since renamed as Endurance Castings SpA)

**Endurance** 

**Castings SpA** 

Adler acquired 100% stake in Grimeca Srl Adler RE Srl (subsidiary of Adler) and Grimeca Srl merged into Adler.

**Endurance Adler** 

Frenotecnica , New Fren

EOSrl acquired 100% stake in Frenotecnica Srl & New Fren Srl, Italy.