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Date: 10th June, 2022

To,

Corporate Relation Department The Bombay Stock Exchange Limited Phiroze Jeejeebhoy Towers, Dalal Street, Mumbai - 400 001

Security Code : <u>504132</u>

Sub: Investor Presentation for the year ended March 31, 2022

Dear Sir/Madam,

Pursuant to Regulation 30 of the SEBI (Listing Obligations and Disclosure Requirements) Regulations, 2015, we enclosed herewith Investor Presentation for the year ended March 31, 2022.

The above information is also available on the website of the Company - www.pmlindia.com.

Request you to kindly take the same on record.

Thanking you,

Yours Faithfully,

FOR PERMANENT MAGNETS LIMITED



RACHANA RANE COMPANY SECRETARY



 Regd Office: Harsh Avenue, 302, 3rd Floor, opp. Silvassa Police Station, Silvassa Vapi Main Road, Silvassa- 396 230. Dadra and Nagar Haveli (U.T.)

 (All correspondence has to be made at our Mira Road address only)

 CIN-L27100DN1960PLC000371





Permanent Magnets Ltd.



FY22-

Trust Reliability Quality

INVESTOR PRESENTATION

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Journey and Transformation

1960 2005

Growth in magnets business for energy meters and automotive applications

 Change in the energy meters technology led to a downturn in the magnets business

 Recession & global financial crisis of 2007-09 also had a serious impact on the Company's business

2005 2015

SUCCESSFUL BUSINESS TURNAROUND RESULTING FROM A SHIFT IN STRATEGY FROM PRODUCT-FOCUSED TO CAPABILITIES-FOCUSED COMPANY. THUS SUBSTANTIALLY EXPANDING THE SCOPE OF PML'S PRODUCT PORTFOLIO.

2015 2022

- Magnets business stabilised
- Categories such as Hi-perm were scaled up
- Revenue mix shifted from Magnets to Shunts & Hi-perm

KEY MILESTONES

2000 Commenced magnetic assemblies export

2005 Hi-perm Division started: Soft magnetic parts

2007

Shunts division started: Copper Magnesium Shunt Assemblies

2016 ZAMAK die-casting process started 2017 CT-Division start: Nano Crystalline and Amorphous Components

2018

Plastic Moulding

Process started

PML at a glance

PML is a solution provider of electrical components and assemblies based on certain core technologies such as current & speed sensing, magnetic shielding, and magnetic assemblies. These components and assemblies find applications in automobiles, energy & gas meters, and many other industries.



460+ 60 +YEARS OF EXPERTISE COMMITTED MEMBERS INCLUDING 50+ ENGINEERS INTO MAGNETS, MAGNETIC ASSEMBLIES, AND SHUNTS

MANUFACTURING FACILITIES

~350

ACTIVELY MANUFACTURED SKU'S

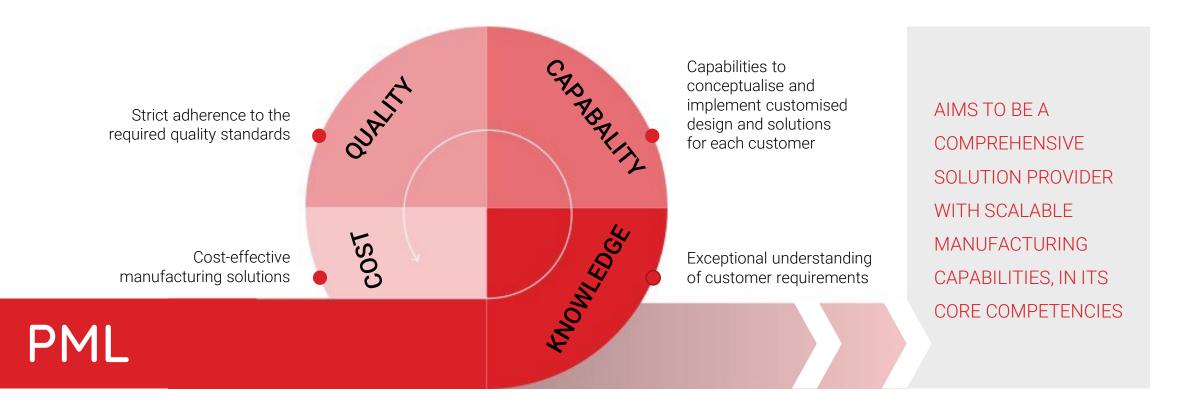
Market Trends

AT THE CENTER OF RGING TECHNOLOGICAL CHANGES SUCH AS ELECTRIC VEHICLES, SMART METERS, SMART GRIDS

EXPERTISE IN 5 CORE & PRODUCT OGIES FORMS WITH N-NUMBER OF PRODUCT POSSIBILITIES

PML's value proposition

PML is a solution provider with expertise in design, prototype, and production of components and assemblies related to Automotive, Metering and other sectors



Robust Capabilities

PML has exceptional expertise in the fields of metallurgy, mechanical engineering, electrical engineering, and electronics, enabling it to offer comprehensive solutions to its clients



COMPANY OVERVIEW

Product **Platforms**

Focus on building technologies and capabilities over specific products

Ability to design & deliver n-number of customer-specific solutions within its core technologies

MAGNETIC SENSING

Technologies focused on:

• Speed sensing

• Torque sensing

Angular sensing

H

Automobile

Application Industries

CURRENT SENSING

Technologies focused on:

Shunt current sensors

Application Industries

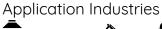
 Hall effect sensors • CT sensors

- - - Separation



Magnetic assemblies focused on performing functions such as:

- Holding
- Lifting





Automobile, Energy Meter, Renewable Energy, Aerospace & Defence

Food & Beverage, Steel Mills, Scrap Yards, Robotics

ALLOYS

Metallurgical expertise

- Alloys: Nickel-Iron, Cobalt, Manganese, Nickel-based alloys
- Other casting based technologies

ZAMAK DIE CASTING

A die-casting technology using ZAMAK (Zinc-Aluminium-Manganese-Copper) alloys, especially suitable for volume manufacturing of small parts. Key advantages include:

- Faster production rates
- Versatility, easy-machining & finishing
- Complex and articulated shapes

Application Industries



Automobile, Energy Meter

Key Products

MAGNETIC SENSING



Shielding C Shape

Module

CURRENT

SENSING



Shielding-MuMETAL Zero Gauss Chambers



uss Shunt





Magnetic Lifter



Iron Filing Removal Machine



Alloy Ingot

Ingot





ZAMAK Valve



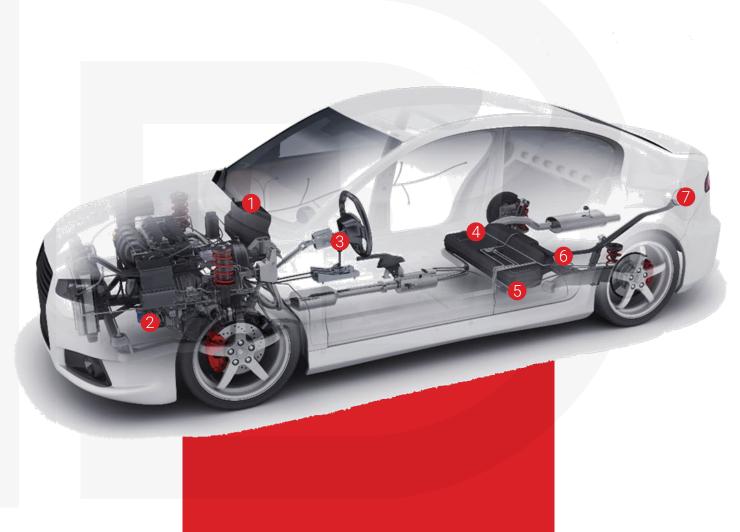
ZAMAK Insert

PML 09

COMPANY OVERVIEW

Critical Product Applications

AUTOMOBILE





COMPANY OVERVIEW

Critical Product Applications

ELECTRICITY METER







8 Diaphragm Assembly

GAS METER



PML 011

Established Clientele

Automobiles & Electricity Meters are PML's key application industries



>> AUTOMOBILE

~50% of Tier-I

PML is a preferred supplier of electrical components and assemblies to 50% of the tier-1 auto companies globally

In both traditional ICE vehicles and emerging technologies like EV



>> ELECTRICITY METERS

Top 3

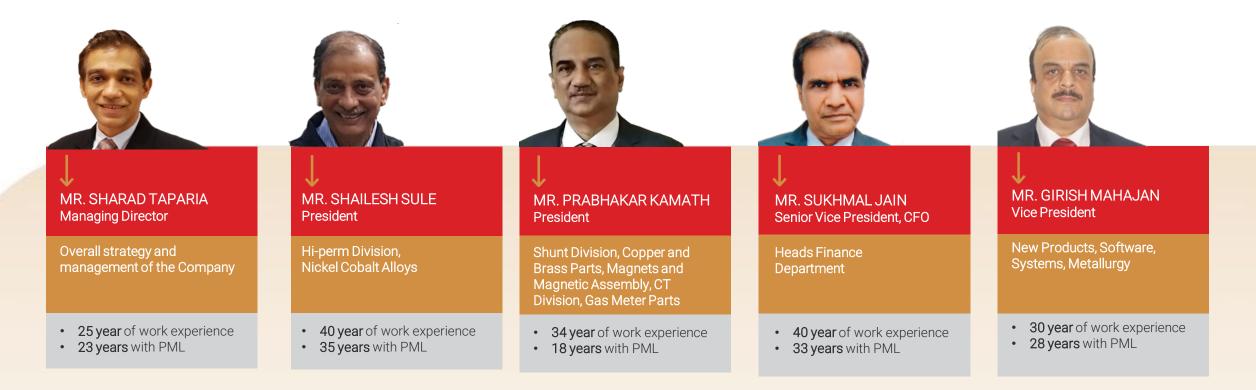
PML is a supplier to the top 3 electricity meter companies globally

The Company holds a strong position in electricity meters segment with long-standing client relationships

PML is the only supplier for many products and amongst the top 2 or 3 suppliers for most of the other products

Seasoned Management Team

PML's management team is well-balanced, comprising seasoned business executives and a young, dynamic team of around 15 second-level managers, in the average age group of 35 years



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COMPANY OVERVIEW
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Strong Corporate Governance

Board is headed by a Non-Executive Chairman and has a balanced composition of Independent, Executive and Non-Executive Directors



Key Technical Partnerships

PML has, on multiple occasions, established significant technical & commercial alliances in order to keep abreast with the most recent technological developments, and explore uncharted markets

LEGACY COLLABORATIONS

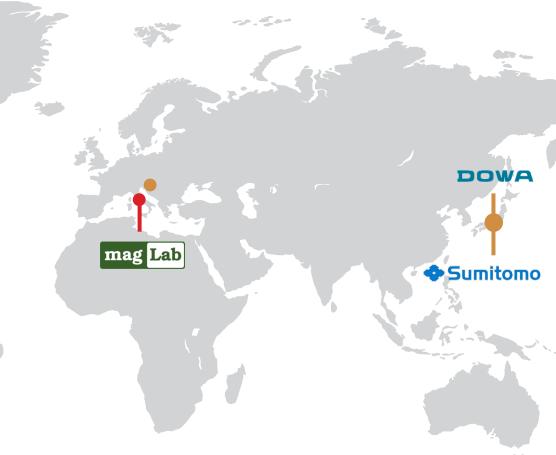
Centro Magneti Permanenti Italy | 1973

l echnical collaboration for commencing production of Permanent Magnets

Dowa Mining Japan / 1983 Technology upgradation

Sumitomo

Japan | 1983 Upgrading of its cast magnet plant and modernisation of ferrite plant



RECENT PARTNERSHIPS

magLab AG, *Switzerland | 2012*

Technical collaboration to develop and market products and solutions.

Combined expertise in simulations, product-testing, magnetic designs, and sensors

Quality Control Systems

- PML adheres to the quality standards of the industry
- The production facilities and QMS are certified by IATF, AS, EMS and OSHAS
- PML is regularly audited by customers
- PML has renowned measurement equipment such as Koerzimat, BH Loop Plotter for magnetic performance
- PML has developed in-house application specific testing facility
- The AEC-Q200 lab is equipped for various qualification and type tests

SCOPE OF CERTIFICATIONS

Design, manufacture and supply of Magnetic Systems

General requirements for the competence of testing and calibration laboratories

Manufacture of Soft Magnetic Alloy components

KEY CERTIFICATIONS





AS9100D:2016



Business Overview

NEW PRO <mark>DUCT DEVEL</mark> OPMENT	18
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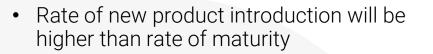
I-210+ USA CL 200 240V 3W FM2S 600 MIN DS SmartMeter

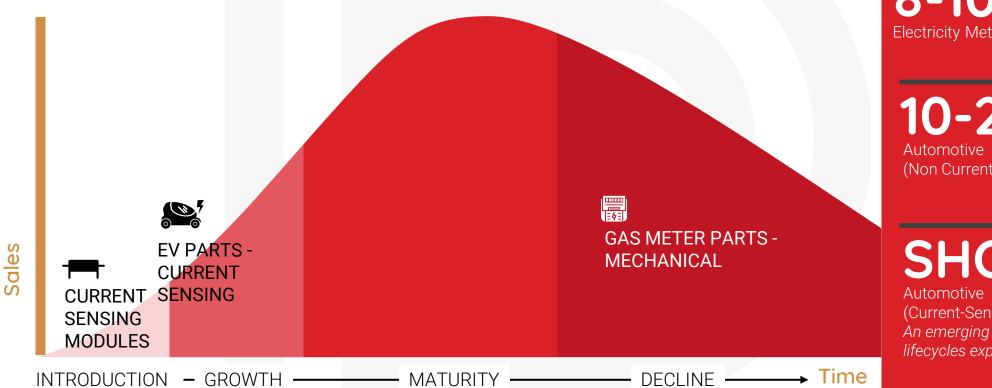
COMMERCIALISING For customer Developing Incorporating designed products cost-effective customer feedback PRODUCTS manufacturing solutions & iterations >> Successfully moving products from prototyping stage to commercial GENERATING **DEVELOPING** production **CUSTOMER** PROTOTYPES **ENQUIRIES** >> For newly developed product platforms & For Offering co-designed cost-effective 3D modeling, technologies, this products manufacturing simulating and marks the solutions to prototyping sample beginning of customers products product life cycle

New Product Development

Product Lifecycle

- Continuous product additions to compensate sales of maturing products
- Focus on technologies & capabilities rather than specific-products





AVERAGE AGE OF PRODUCT LIFE CYCLES

8-10YR Electricity Meter Components

10-20YR Automotive

(Non Current-Sensing Platform)

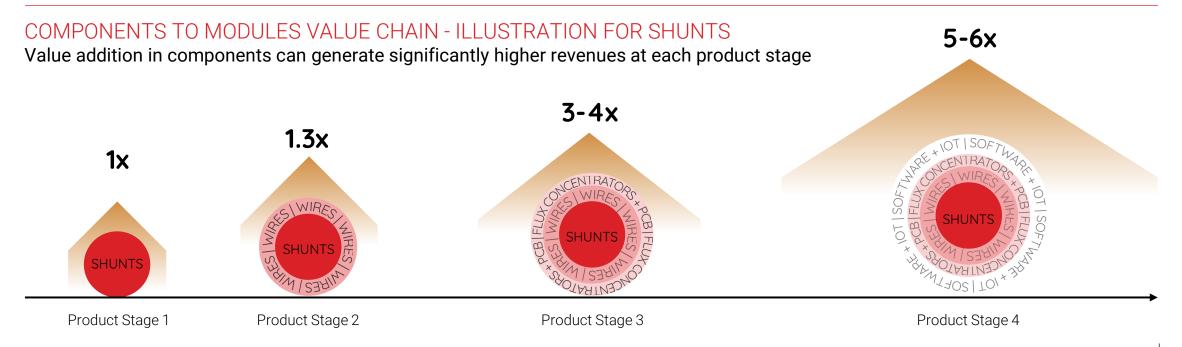
SHORT

Automotive (Current-Sensing Platform) An emerging category thus shorter lifecycles expected **BUSINESS OVERVIEW**

A STRATEGIC MOVE TO ADD COMPETENCIES IN MODULES

Components to Modules

SHIFTING BUSINESS FROM COMPONENTS TO MODULES TO CAPTURE MORE VALUE PRODUCT CATEGORIES SUCH AS SHUNTS AND SOFT MAGNETIC MATERIAL COMPONENTS TARGETED IN INITIAL PROJECTS



Value/Potential-Revenue of product at each stage

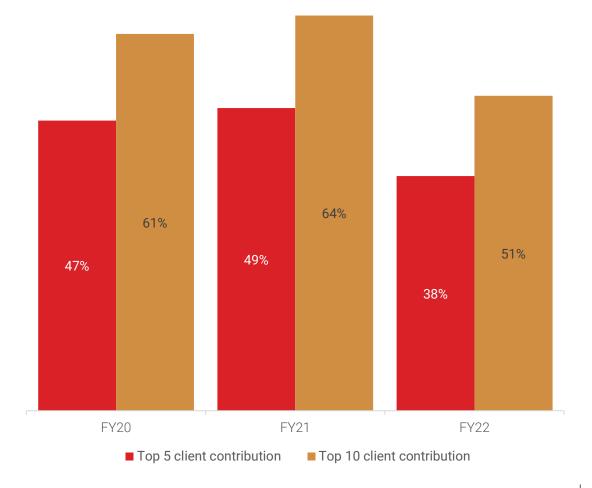
Broad-basing Customer Base

PML is actively diversifying & strengthening its revenue stream through:

ACTIVELY COMMERCIALISING NEW PRODUCTS

SIGNIFICANT NEW CLIENT ADDITION (DIRECT & IN-DIRECT) IN LAST 3 YEARS Further, PML is looking to actively add new PRODUCT PIPELINE, application industries to further diversify its revenue stream.

TOP 5 & 10 CLIENT SALES CONTRIBUTION



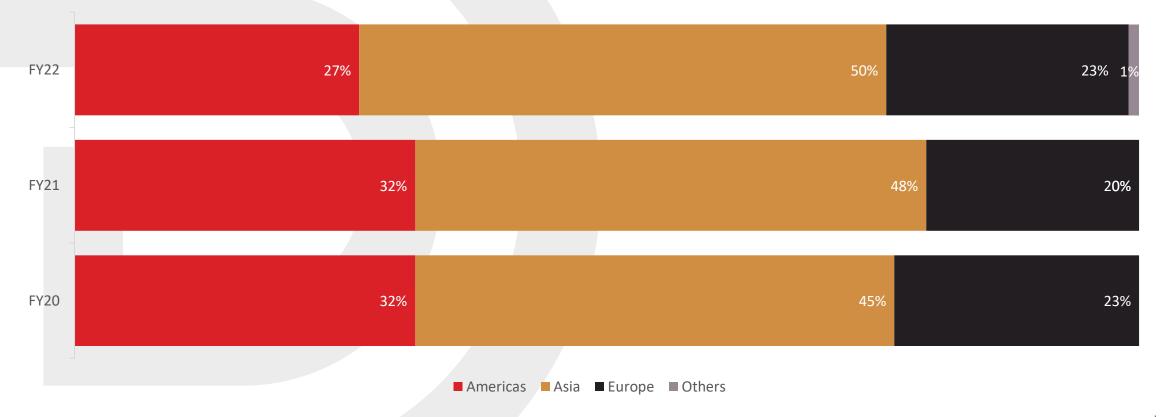
PML 021

BUSINESS OVERVIEW

Geography-Wise Sales Trend

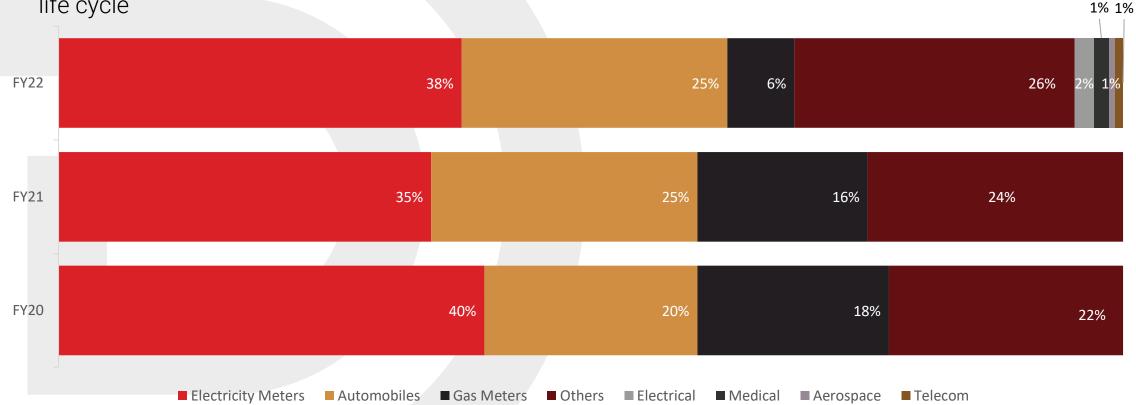
- Rising share of export sales
- Asia continues to be the flagship market

• New market additions such as China and France



Application-Wise Sales Trend

- Electricity Meters continues to be the flagship application industry
- Gas Meters product category approaching end of life cycle
- New application categories include Electrical, Medical, Aerospace, Engineering and Computers



Strategic Review

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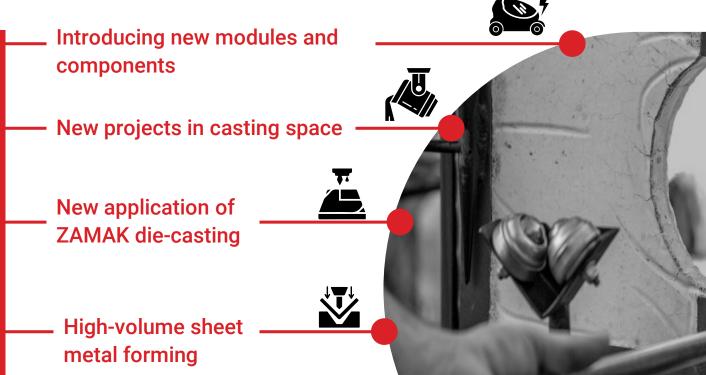
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NEW BUSI<mark>NESS DEVEL</mark>OPMENT

STRATEGIC PRIORITIES

New Business Development

TECHNOLOGIES & CAPABILITIES PML is working on adding newer competencies



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ÞZ

Plastic moulding capabilities

Wire winding

Strategic Priorities



BUSINESS GROWTH IN THE ADDITIONAL CAPABILITIES

< 3 YEAR

+5 YEAR

ADDING MORE PROCESSES AND CAPABILITIES LIKE ALLOY MAKING, HEAT TREATMENT AND SMART MODULES

COMMENCING SHIFT FROM COMPONENTS TO ASSEMBLIES

INTEGRATING MANUFACTURING FACILITIES



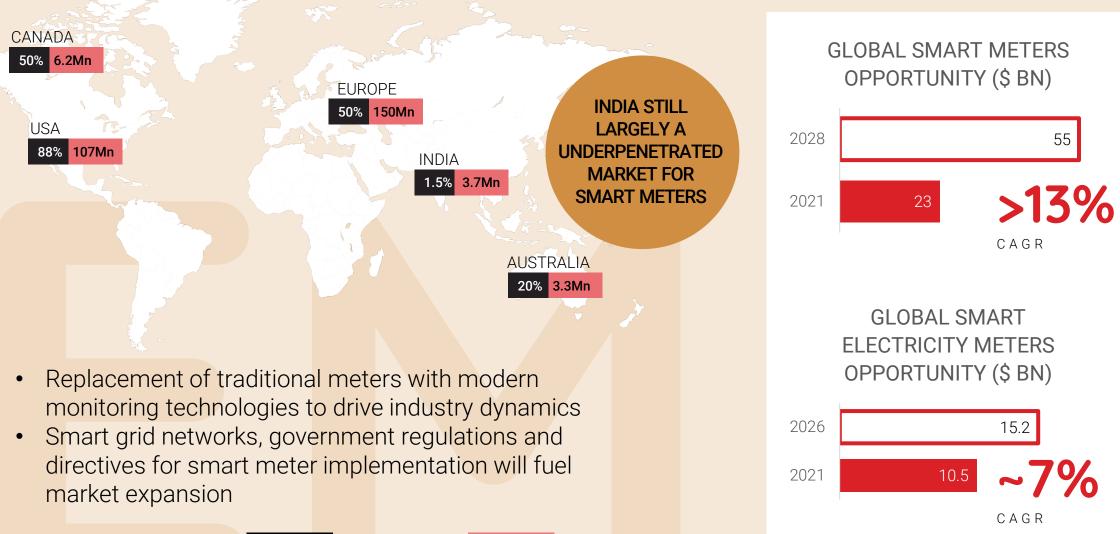
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Growth Drivers

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GROWTH DRIVERS

Global Smart Meters: Market Trends

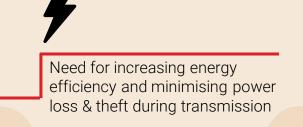


Source: GMI, Research and Markets Smart Meters International SM Penetration %

SM Installed

Smart Electricity Meters: Growth Drivers

On the one hand, the smart meter infrastructure is to empower customers by allowing them to choose their power suppliers. On the other hand, it is expected to help distribution companies prevent power theft by reducing human interference in metering, invoicing, and dues collection.





Benefits to customers such as detecting failures early, accommodating faster service, accuracy of billing





Operational advantages such as grid resiliency and accuracy of meter readings



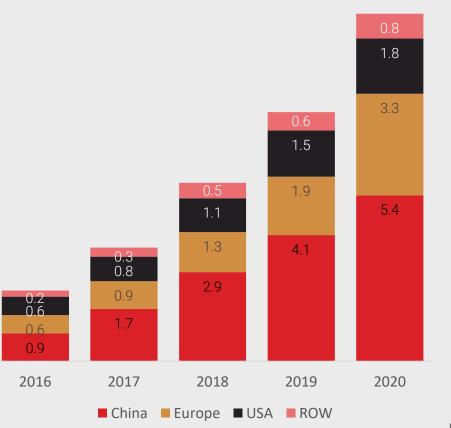
Integrating distributed energy resources (DERs), energy storage technologies, and EV charging in the residential sector Cost savings by eliminating on-site meter readings, reducing equipment & maintenance costs, enabling faster restoration during outages **GROWTH DRIVERS**

EV Market: Market Trends

- Total 10 million electric cars on the world's roads at the end of 2020
- Electric car registrations increased by 41% in 2020, in a year where global car sales reduced 16%
- Consumer spending on electric car purchases increased to USD 120 billion in 2020, a 50% increase YoY. While Government spends globally stood at USD 14 billion on electric car sales, up 25% YoY
- In a first, Europe overtook China in 2020 with sales of EV at 1.4 Mn units

In the Sustainable Development Scenario, the global EV fleet reaches 230 million vehicles in 2030 (excluding two/three-wheelers), a stock share of 12%

GLOBAL ELECTRIC VEHICLE STOCK BY REGION (UNITS IN MN)





GROWTH DRIVERS

EV Market: Growth Drivers

Global OEMs have outlined more ambitious electrification plans. 18 of the top 20 vehicle manufacturers in the world, which account for over 90% of new car registrations in 2020, have indicated plans to expand their model range and swiftly scale up production of lightduty electric cars.

Source: IEA



Government initiatives such as purchase subsidies, and/or vehicle purchase and registration tax rebates – aimed at reducing price gaps with conventional vehicles



European Union CO₂ emissions regulation for cars and vans, China's New Energy Vehicles (NEV) mandate, California's Zero-Emission Vehicle (ZEV), and India's Faster Adoption and Manufacturing of Electric Vehicles (FAME II) scheme are expected to drive the EV penetration in respective countries



Gradual tightening of fuel economy and tailpipe CO₂ standards has augmented the role of EVs to meet the standards



Certain jurisdictions & Governments are employing mandatory targets for EV sales

Financial Snapshot

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Profit & Loss Statement Summary

PARTICULARS	FY18	FY19	FY20	FY21	FY22
Total Revenue	93.21	121.83	109.26	117.57	133.26
Total Operating Expenses	83.41	98.16	86.01	91.43	102.78
EBITDA (Excluding OI)	9.36	22.68	20.55	25.25	26.73
EBITDA (Excluding OI) %	10%	19%	19%	22%	21%
Interest Cost	1.65	1.31	1.33	1.02	0.86
Depreciation & Amortisation	1.28	1.56	2.99	3.29	4.06
Profit Before Taxes	6.88	20.8	18.93	21.82	25.57
Profit After Taxes	5.39	14.8	14.32	16.14	19.04
Earnings Per Share (₹)	6.27	17.22	16.61	18.79	22.16

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Balance Sheet Statement Summary

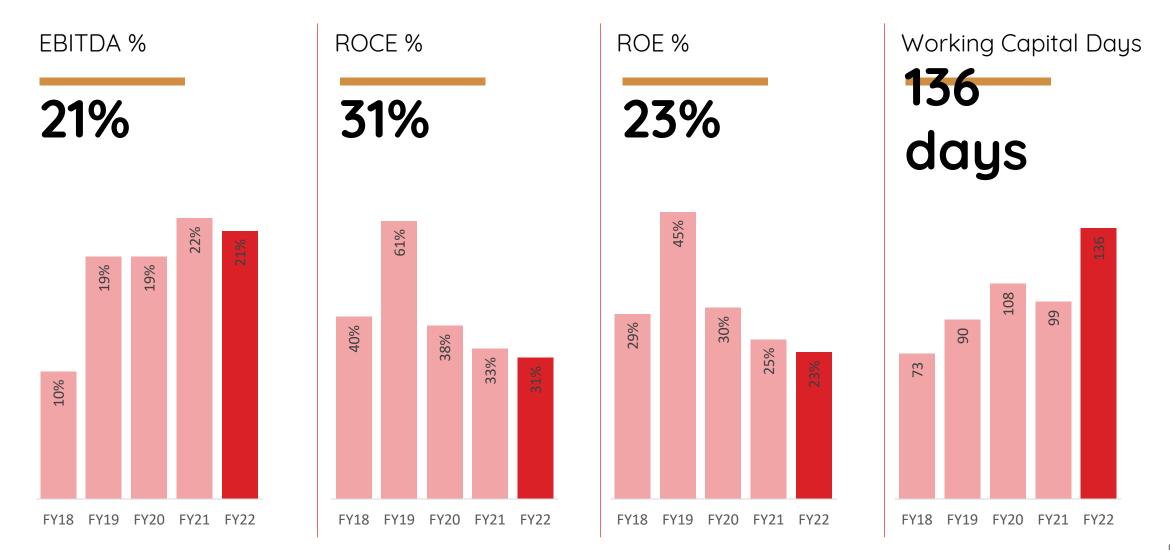
PARTICULARS	FY18	FY19	FY20	FY21	FY22
Shareholders Fund	18.40	33.25	47.87	64.03	82.22
Non Current Liabilities	3.17	2.95	5.73	4.44	3.91
Current Liabilities	37.82	30.71	19.50	25.52	29.84
- Trade Payables	23.90	19.62	14.98	22.15	24.60
Total	59.38	66.91	73.11	93.99	115.97
Non Current Assets	6.72	7.38	12.03	11.36	18.55
Current Assets	52.66	59.52	61.08	82.63	97.42
- Inventories	13.39	17.55	19.25	21.01	37.29
- Trade Receivables	28.94	31.83	27.30	32.87	35.45
Total	59.38	66.91	73.11	93.99	115.97

FINANCIAL SNAPSHOT

Cash Flow Statement Summary

PARTICULARS	FY18	FY19	FY20	FY21	FY22
Cash from Operating Activities	1.27	9.92	11.50	6.36	3.66
Cash from Investing Activities	-2.21	-1.99	-1.54	-2.06	-3.80
Cash from Financing Activities	0.54	-7.18	-8.78	-2.86	-2.63
Net Cash Flow	-0.40	0.75	1.18	1.45	-2.76
Net Cash at Beginning of Year	0.45	0.05	0.81	1.98	3.43
Net Cash at End of Year	0.05	0.81	1.98	3.43	0.67

Ratio Analysis



Quarterly Snapshot

38 39

Q4FY22 P	ROFIT & LOSS	SUMMARY	
MANAGEN	JENT COMME	ENTARY	

QUARTERLY SNAPSHOT

Q4FY22 Profit & Loss Summary

PARTICULARS	Q4FY21	Q3FY22	Q4FY22	YoY %	QoQ %
Total Revenue	37.65	28.64	39.89	6%	39%
Total Operating Expenses	28.37	22.36	30.38	7%	36%
EBITDA (Excluding OI)	8.85	5.29	8.47	-4%	60%
EBITDA (Excluding OI) %	24%	19%	22%	+198 bps	+465 bps
Interest Cost	0.49	0.26	0.20	-59%	-22%
Depreciation & Amortisation	0.87	1.23	1.19	37%	-3%
Profit Before Taxes	7.93	4.80	8.12	2%	69%
Profit After Taxes	6.42	3.60	6.05	-6%	68%
Earnings Per Share (₹)	7.49	4.19	7.05	-6%	68%

Management Commentary

"Our outlook for the coming few years is good, which is reinforced by factors such as a strong product pipeline, a higher number of projects and larger size of projects. We aim for better growth in the coming three years." The year under review has been a mixed bag for us. While we made significant progress on a number of initiatives and product introductions during the year, we also saw reduction in sales of some products for e.g. gas meter parts as the product approached the end of its lifecycle.

At the same time, we continue to do well in our strongholds, such as Europe and the Americas. On the operational front, we carry higher inventories than usual to avoid any production disturbances, as the lead times for imported raw materials (such as electrical Steel, Nickel-alloys, etc.) have increased considerably.

We are also making considerable progress in integrating our manufacturing facilities. A considerable portion of the required land has already been acquired, and the balance is expected to be acquired in the coming months. We are budgeting a total capital outlay of ~20 crores for this facility, including investments in land, building and some additional machinery.

SHARAD TAPARIA Managing Director

Safe Harbour

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