

The background of the slide is a light gray with a complex, futuristic circuit pattern. A large, circular, concentric pattern resembling a stylized sun or a complex circuit board is centered behind the logo. The logo itself is the word "Napino" in a dark blue, elegant script font, set within a white, slightly irregular rectangular frame.

Napino

Introduction

Napino is India's leading electronic auto components manufacturer

Strong reputation and brand name in the Indian market with well established customer relationships

Partnerships with global leaders (Shindengen, BCS, Continental, Fallbrook and Domino)

Vision

- A technology driven organization, preferred by customers and admired by employees, focused on achieving sustainable growth through business excellence

Mission

- To continuously strengthen and upgrade our manufacturing processes, quality systems and people competencies to achieve our vision

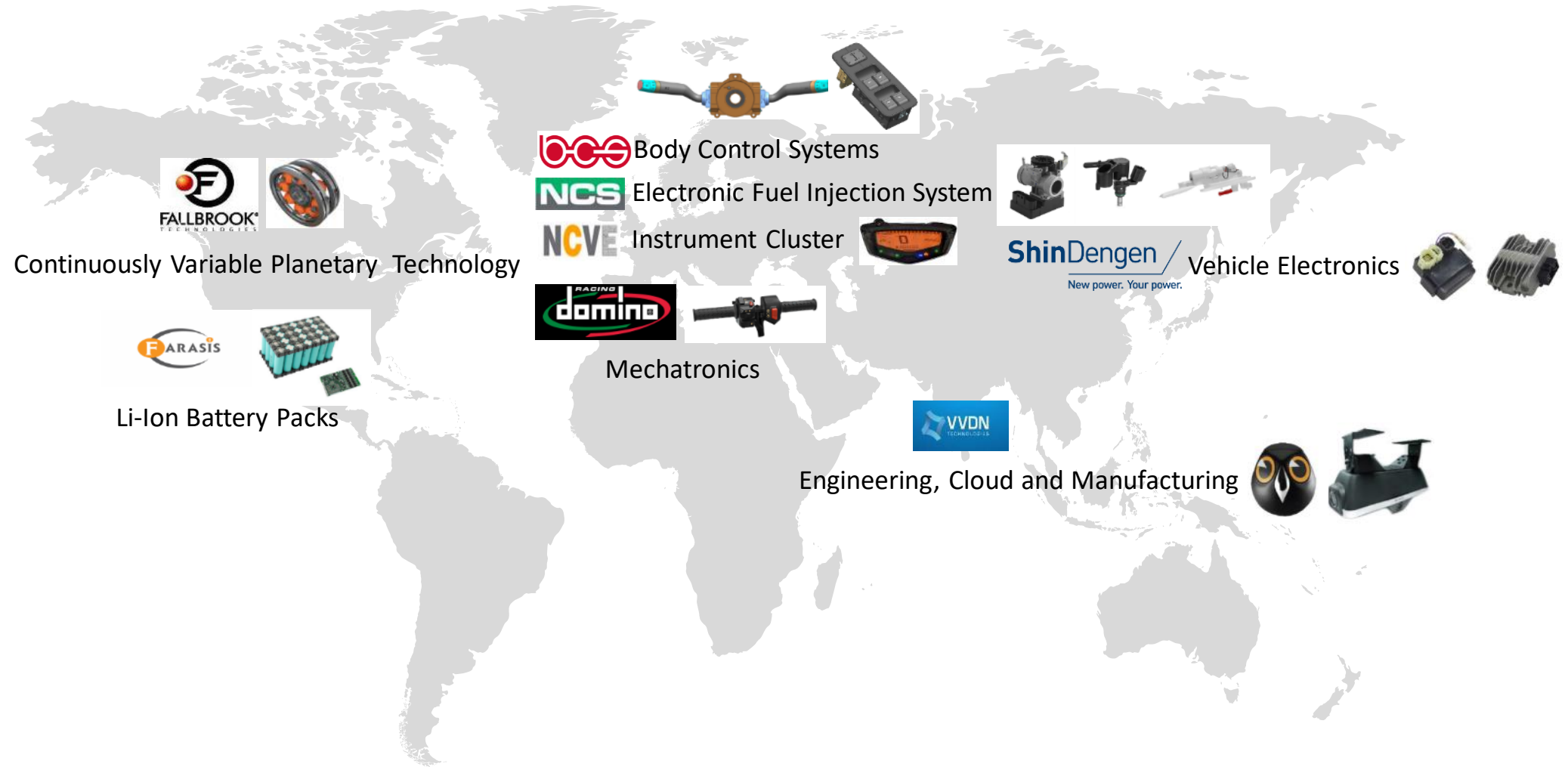
Values

- To enhance the competencies of our employees and integrate their families into the organizational fabric, thereby adding value to their lives

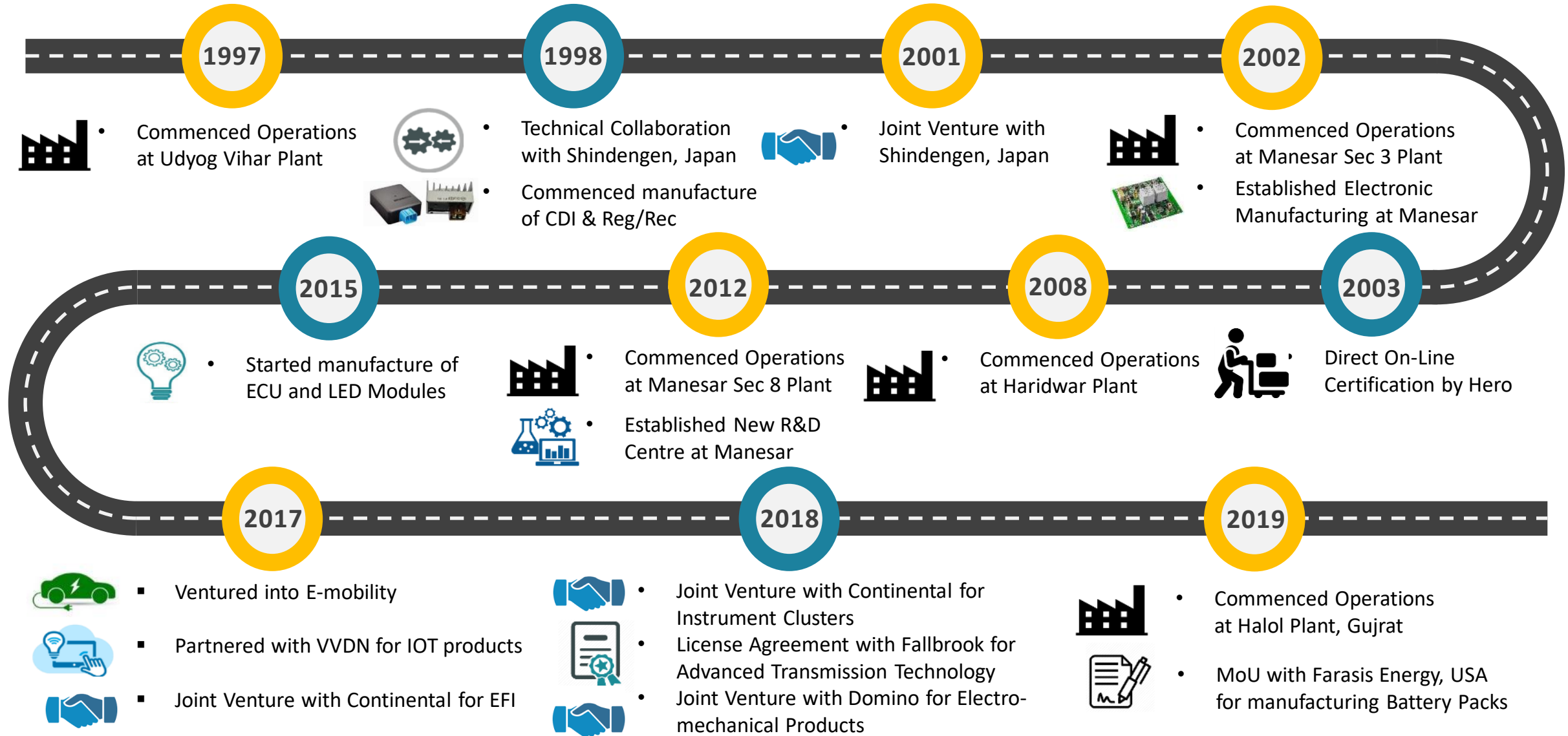
Global Partnerships



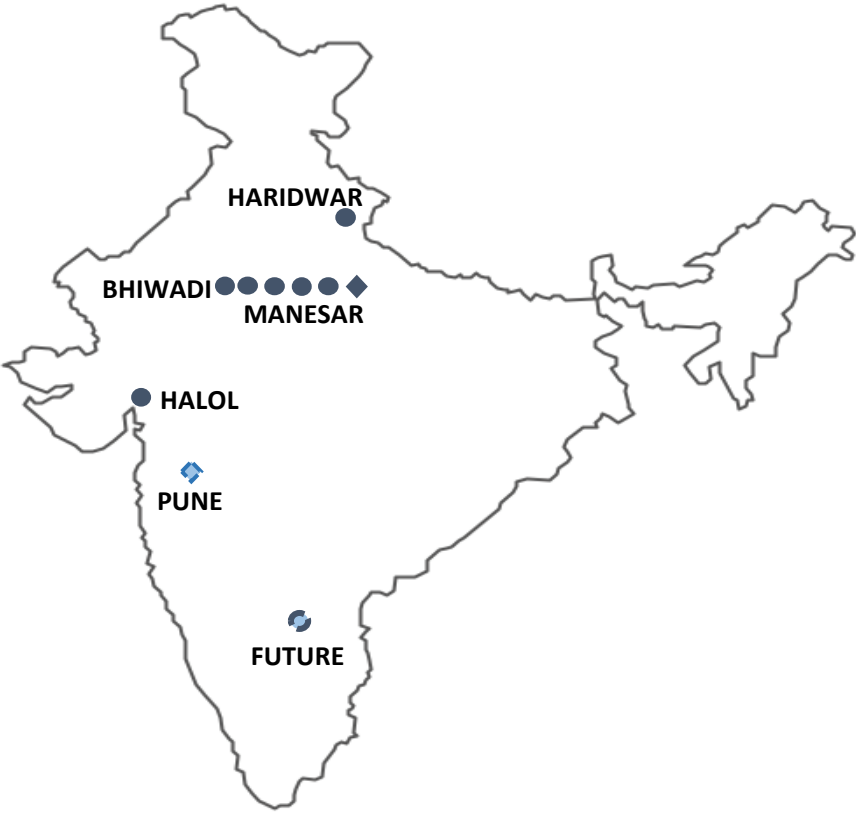
Napino has been a trusted partner for Global companies in India



Milestones



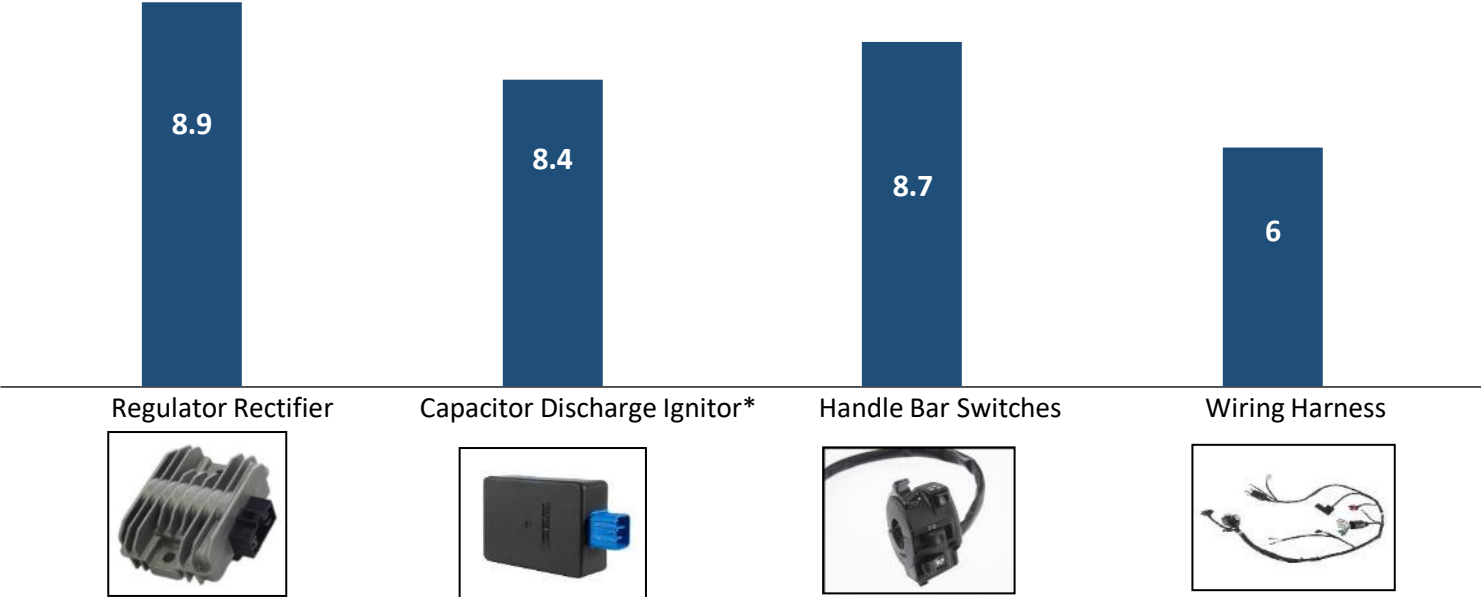
Locations



Leading Manufacturer of 2W Electric/Electronic Products in India

Annual Volumes of Key Products (Million)

Sales FY 2019-20: \$139 Mn



*Capacitor Discharge Ignitor includes Start-Stop Controllers



Regulator Rectifier



Capacitor Discharge Ignitor



Start - Stop Controller



Capacitor Discharge Ignitor
Integrated with Start Stop
Controller



Telematics Unit



Handle Bar Switches



Start - Stop Switch



2W Main Wiring Harness



Electronic Throttle with Grip

Solid state Automotive Lighting



LED Module - DRL



LED Module - CHMSL



LED Module – Beacon Lamp



LED Module – Cabin Lamp

Electrical, Electronic & Mechatronic



Sun Roof Wiring Harness



Electronic Control Units



Modular Switches



Telematic Unit

New Products

Electronic Fuel Injection System

Joint Venture with
Continental



Electronic Fuel injection system

Instrument Cluster

Joint Venture with
Continental



Instrument Cluster

Upcoming Products

Integrated Starter Generator and Controller

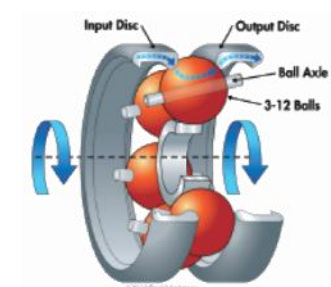


Integrated Starter Generator



ISG Controller

Advanced Transmission system



NuVinci Technology

Under Production



DC - DC Converter



Motor Controller



Throttle Positioning Sensor



Battery Charger

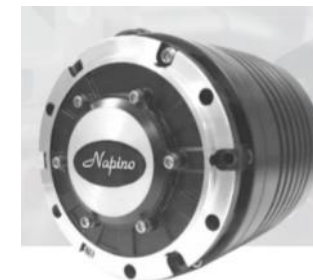


Battery Management System

Under Development



Hub-Wheel motor



Mid-Drive motor



Li-Ion Battery Pack

Cameras



Smart Surveillance Camera



Fleet Management System



LTE Camera



Smart BLE Lock



Wi-Fi Video Doorbell

Trackers



Assets Tracker



3G Personal Tracker



Personal Tracker



Industrial Tracker

Others



Outdoor Access point



Smart Wi-Fi Plug



Smart Watch



Smart Energy Gateway

As Tier 1 Supplier



As Tier 2 Supplier



Approved for Supplies to





Key Features (SMT section)

- Component mounting
 - Min : 0402mm/ 01005 inch
 - Max : 120*90*T 30mm
 - Accuracy : 30 Micron
- Component Verification and Traceability
- In line Solder Paste Inspection (Make: Kohyoung)
- 3D Automatic Optical Inspection (Make: Omron)
- Continuous profile monitoring of reflow oven (Make: KIC)
- PCB Cleaning (Make: Unitech)
- ESD (Electrostatic) Control work station
- Clean room with class 100,000
- Nitrogen and lead free compatible soldering
- *In line X Ray Machine (Make: Under discussion)*
- *Pin insertion machine (Make: TE P350)*
- *Selective Soldering (Make: ERSA)*

Assembly line for Integrated Throttle body and ECU



EFI Products



Injector module

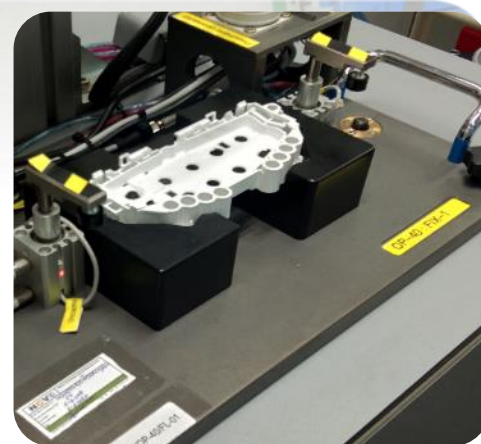


Throttle Body with integrated ECU



Fuel Delivery Module

Manufacturing Facilities: Instrument Cluster



Major Customers



DAIMLER



Instrument Clusters



Automatic Wire Processing Section



Sophisticated and Most Advanced
Automatic Wire Processing Machines

Special Processing on Semi-Automatic Machines



For Special Crimping / Joint Taping /
High Frequency PVC Welding etc

Final Main Wiring Harness



Assembly Lines for Handle Bar Switches



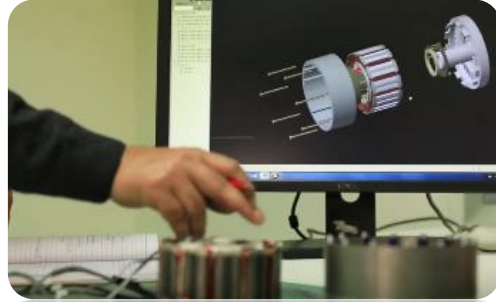
Single Piece Flow for most of the production stages ensures consistent quality & reliability of products

Research & Development: Overview

R&D unit approved by Department of Scientific and Industrial Research, Ministry of Science Government of India



Dedicated R&D Centre



Design Section



FOCUS ON FUTURE MARKET TRENDS

ELECTRIC VEHICLES

SAFETY,
CONNECTED &
CONVENIENCE

EMISSION
REDUCTION



Research & Development Team of 120 Engineers

SOFTWARE

- Conversion of customer/project requirements into complete software architecture, software modules and their interactions
- Design of different customized GUI
- Software development, testing, debugging and simulation

HARDWARE

- Conversion of customer/project requirements into hardware specifications for circuit design
- Hardware verification as per the specifications and standard
- Mechanical architecture design (3D, 2D, stack-up analysis)

SOFTWARE TOOLS

- Motor Industry Software Reliability Association C (MISRA C)



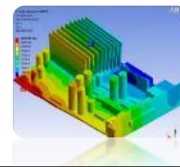
- ETAS- INCA for calibration



- ETAS- LABCAR for Hardware in loop simulation



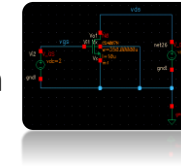
- ANSYS software and Thermal imager for thermal analysis



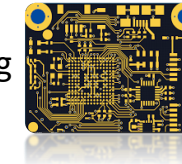
- MATLAB for modeling and simulation



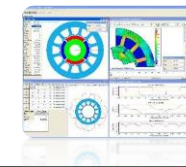
- Cadence for circuit design and simulation



- Allegro for PCB designing



- SPEED software for electric motor design





Highly Accelerated Stress Test (HAST) Chamber



Special Purpose Machine for Performance Measurement



Salt spray chamber and Thermal Shock



Hot and Cold Environment Chamber



Vibration Testing Machine integrated with climate chamber



Water Spray Chamber



Chassis Dynamometer



	Field Strength	Frequency	Max product size (mm)
BCI	10 - 100 mA	100K - 3 GHz	300 X 300
GTEM	10 - 110 V/m		




Voltage Range	0.5 - 30 KV
Polarity	Positive and Negative
Discharge Method	Contact and Air

All our Plants are certified for **ISO 9001, IATF 16949, ISO 14000 & ISO 18001** Standards



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Napino
**MANESAR PLANT 1
PLOT No.7, SECTOR-3,
GURGAON – 122050**

with a scope of:


**DESIGN AND MANUFACTURE OF
DISCHARGE IGNITION
CONTROL UNITS (CDI) AND CONNECTING
WIRING HARNESSES**

has established an occupationally safe and sound
Standard

ISO 14001:2015

ASR Certificate Number:
Date of Certification:
Date of Certification Expiration:
Date of Initial Registration:
Revision:
Re-issue Date:

CERTIFICATE OF REGISTRATION



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Napino
**PLOT No.7, SEC 3,
HARYANA, INDIA**

with a scope of:

**DESIGN AND MANUFACTURE OF
CDI, REGULATOR RECTIFIERS
(WIRING HARNESSES)**


American Systems Registrars, LLC, Certificate Number: IA0B-1021

has established a quality management system that is in conformance with the International Quality System Standard

IATF 16949:2016

IATF Certificate Number:
ASR Certificate Number:
Exclusions:
Date of Certification:
Date of Certification Expiration:
Revision:

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NAPINO AUTO & ELECTRONICS LTD
Napino
**UNIT 1
PLOT No.7, SECTOR-3, IMT MANESAR
DISTT. GURGAON 122050 (HARYANA) INDIA**

with a scope of:

**DESIGN AND MANUFACTURE OF AUTO ELECTRONIC MODULES SUCH
AS CDI, REGULATOR RECTIFIERS AND CONNECTING SYSTEMS
(WIRING HARNESSES)**

has established a quality management system that is in conformance with the International Quality System Standard

ISO 9001:2015

ASR Certificate Number: 6517
Date of Certification: April 19, 2018
Date of Certification Expiration: April 18, 2021
Date of Initial Registration: July 21, 2004
Revision:
Re-issue Date:

Richelle K. Kaur
President

PAGE 1 OF 2

CERTIFICATE OF REGISTRATION

Awards and Recognitions



Best Vendor
Hero Honda Motors Ltd



TPM Excellence Award 2018 (A) by Japan Institute
of Plant Management-Napino Haridwar Plant



Direct-On-Line
Supplier To Hero MotoCorp



Silver Award For
On Time Delivery by Yamaha



First Prize in Business Excellence by
ELCINA Electronic Industries Association Of India



Award for Consistent Quality
Suzuki Motorcycles India Pvt Ltd



Consecutive QCDDM Best
Supplier Awards by
HMSI



Super Achiever's Award by Economic Times
IMEA in Partnership with Frost & Sullivan

Thank You.