

# VT ElektroPlast

ONE COMPANY – INFINITE POSSIBILITIES

—  
2024

TECHNOLOGY

DYNAMISM

PROGRESS

STABILITY

# VIDEOTON KAPOSVÁR - MARCALI



## Who we are...

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## How we think...

- [Mission, Vision, Values, CSR](#)



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## What we do...

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# HISTORY

## 1970-1997

- establishing the plant
- TUNGSRAM – electron tubes
- Plastic injection moulding (1990)
- MBKE Kft. ('93-'97)

## 1998

- start of household appliances production

## 2008

- Marcali acquisition for our battery assembly activities

## 2017

- automatized battery assembly
- on-line data collection system

## 1997

- VIDEOTON acquisition
- 1997-2002 battery assembly started in Kaposvár

## 2004

- expanding customer base

## 2013

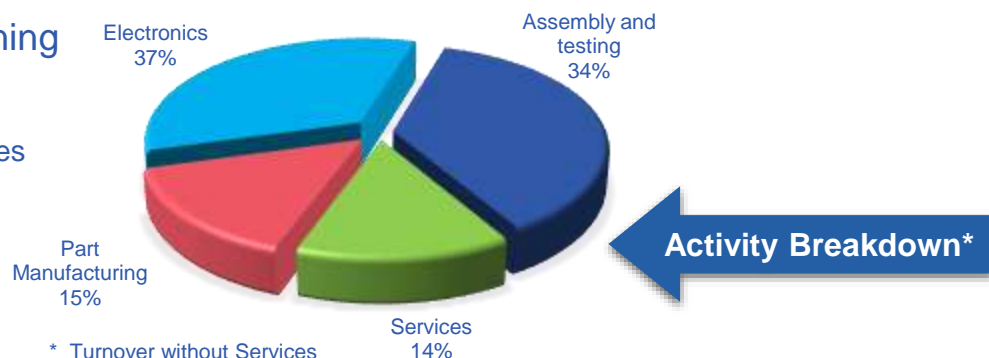
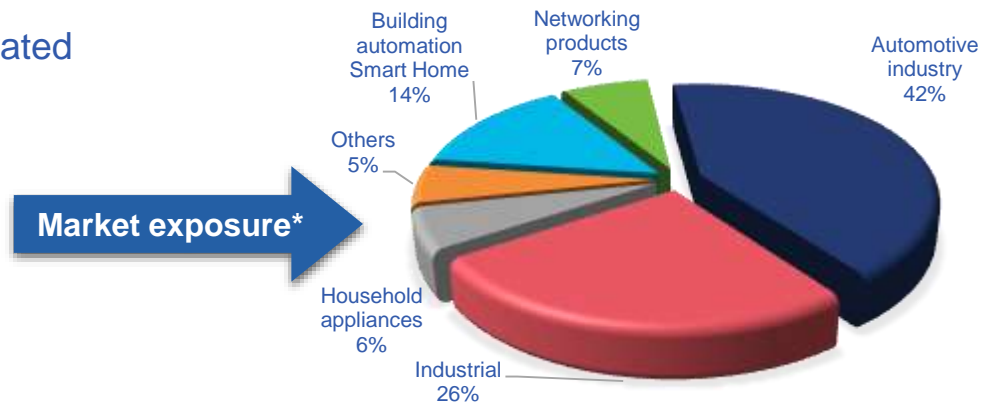
- establishing clean room production area
- ESD protection area in Marcali

## 2023

- Videoton Kaposvár supports Bulgaria DZU plant
- Close future cooperation

# GENERAL INFORMATION ABOUT VIDEOTON HOLDING

- privately owned, financially strong, vertically integrated industrial group in best-cost Europe
- one of the leading European EMS providers with extensive operations for mechanical parts
- complex service provider owning and operating industrial parks including facility management and workforce secondment
- 30+ -years of proven „adaptive” strategy, maintaining diversity
  - In customer-base: accounts from up-and-coming companies (incl. startups) till established global players
  - In market segments: Traditional markets (like Automotive, Industrial or Household) as well as dynamically growing segments (such as Portable Energy, IoT or Smart Home)
  - In technology and activities: making parts, modules and final-assembled products



\* Turnover without Services

\*\* Including Electrical safety, Power generation, UPS, Instrumentation & Measurement, Semiconductor industry, Photovoltaics, Terminals & vending machines, Commercial and Industrial HVACR, LED Lighting, 3D printers, Robotics, Water treatment, Elevators, Power tools, Professional floor care machines

# HIGHLIGHTS OF HOLDING

Founded in  
**1938**

Private since  
**1992**

Revenue  
(2023)  
**820**  
Mill €

Equity  
No debt since 2005  
**478**  
Mill €

**1<sup>st</sup>**  
Most Valuable  
Company in HUN  
Ownership\*

**10**  
Locations

**9300**  
Employees\*\*  
(2023)

**4<sup>th</sup>**  
Among EMS  
Companies HQ'd  
in Europe

*\* According to Forbes in 2021*

*\*\* 2500 employees in Services and temporary work*

# LOCATIONS



Manufacturing plant

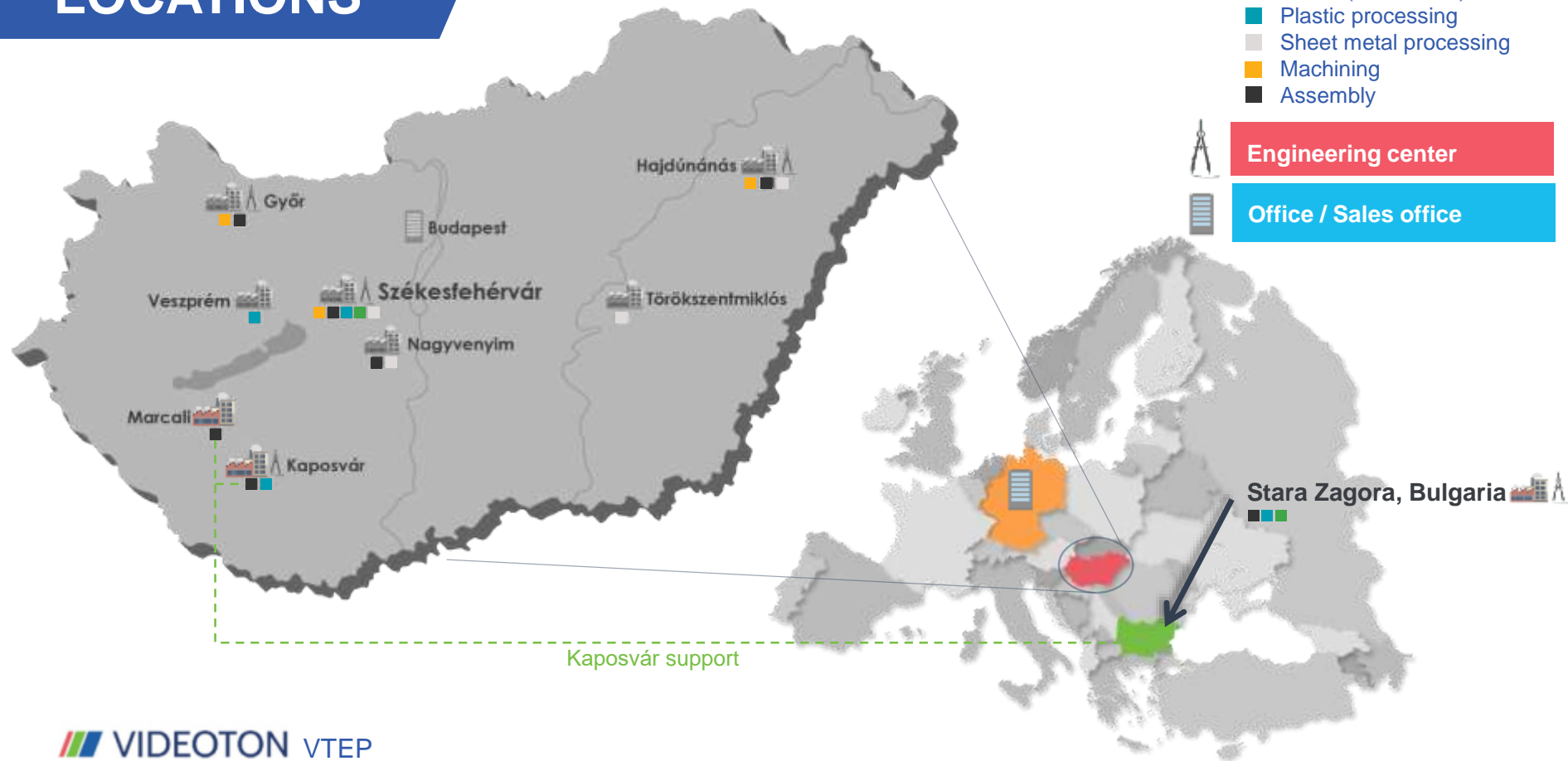
- PCBA (electronics)
- Plastic processing
- Sheet metal processing
- Machining
- Assembly



Engineering center



Office / Sales office



# CORE TECHNOLOGIES OF VIDEOTON



## PCBA & BOX BUILD ASSEMBLY

VT Automotive Electronics, VEAS, VEAS  
Bulgaria



## PART MFG. & BOX BUILD ASSY.

VTEP, VTES, VTBH, TIPA, VT-ASYST,  
VT Mechatronics



## PLASTIC MOULDING

VTEP, VT Plastic, VT Bulplast



## SHEET METAL PROCESSING

VTES, KVJ Muvek



## MACHINING

VT Metal, VT Mechatronics



## OTHERS

VT-Systemtechnics, Ventfilt, Pannonjob,  
Industrial park, VT ARtrans, Pannonfacility

# FACTS AND FIGURES

- number of employees cca. 750
- turnover (2023) 115 mill EUR
- planned turnover (2024) 119 mill EUR
- production area (Kaposvár) 34 500 m<sup>2</sup>
- production area (Marcali) 9 000 m<sup>2</sup>



**million**

pcs products



**million**

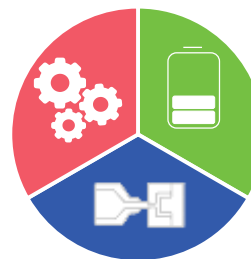
assembled  
batteries



**million**

pcs plastic  
parts

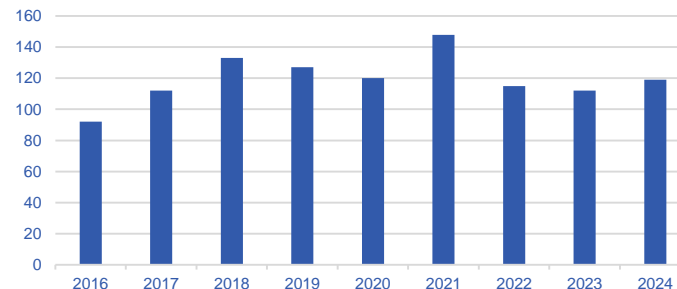
KAPOSVÁR



MARCALI

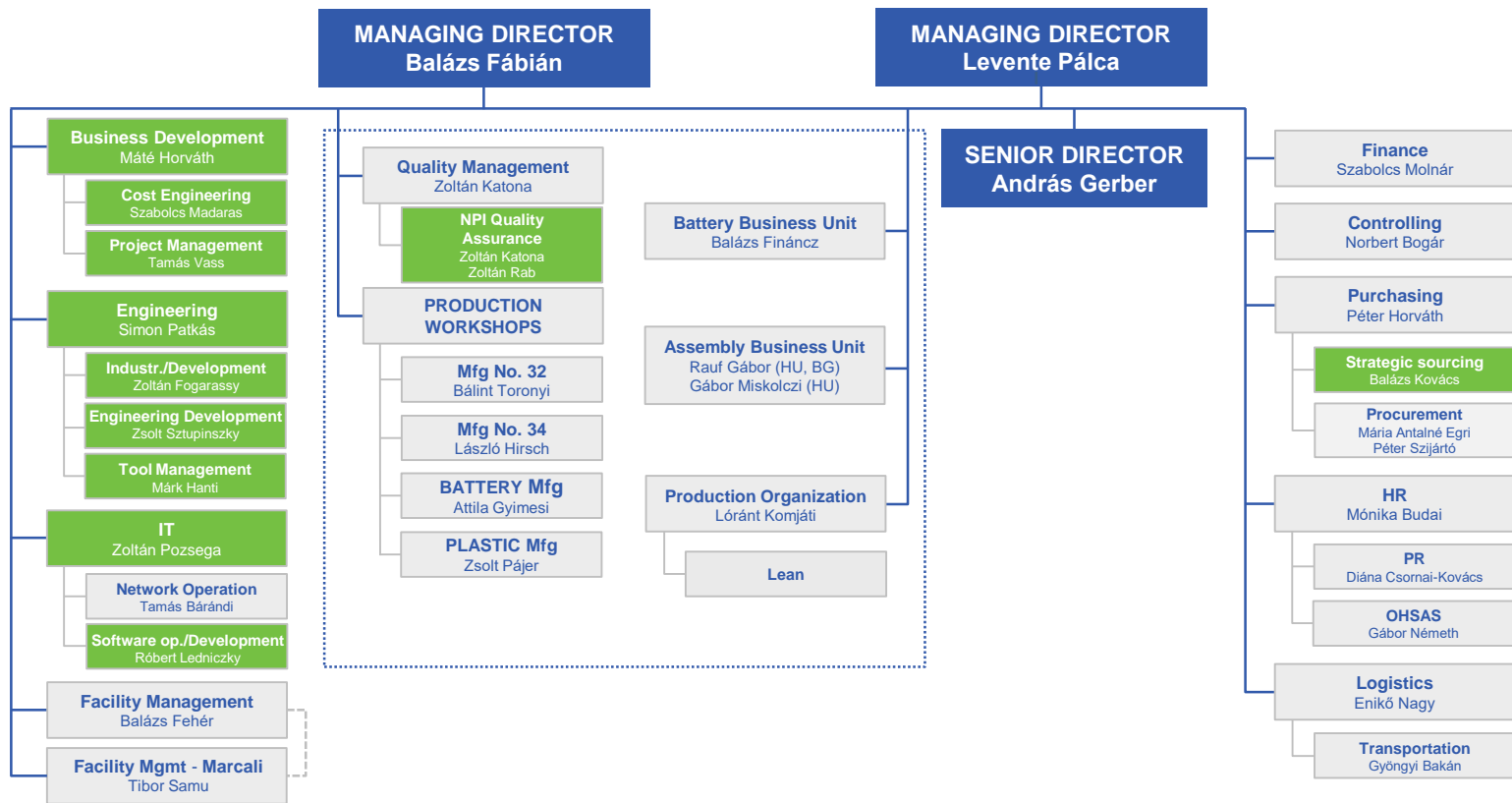


Turnover / m EUR





# ORG CHART



# HOW WE THINK...

## MISSION

- provide full service from product design through sourcing, industrialization, in-house injection moulding to mass production and delivery

## VISION

- to be a worldwide well-known and recognized manufacturing partner in the field of plastic-based products and battery driven appliances

## VALUES

- tradition and innovation
- proactive mindset
- customer oriented organisation

## CSR POLICY

- we are sensitive to environmental changes
  - we protect our employees from negative effects
  - we maintain company culture based on a 50-year history
- [CSR activities](#)

# CERTIFICATES

ISO 9001:2015



IATF 16949:2016



ISO 45001:2018



AEOF 2014



ISO 14001:2015

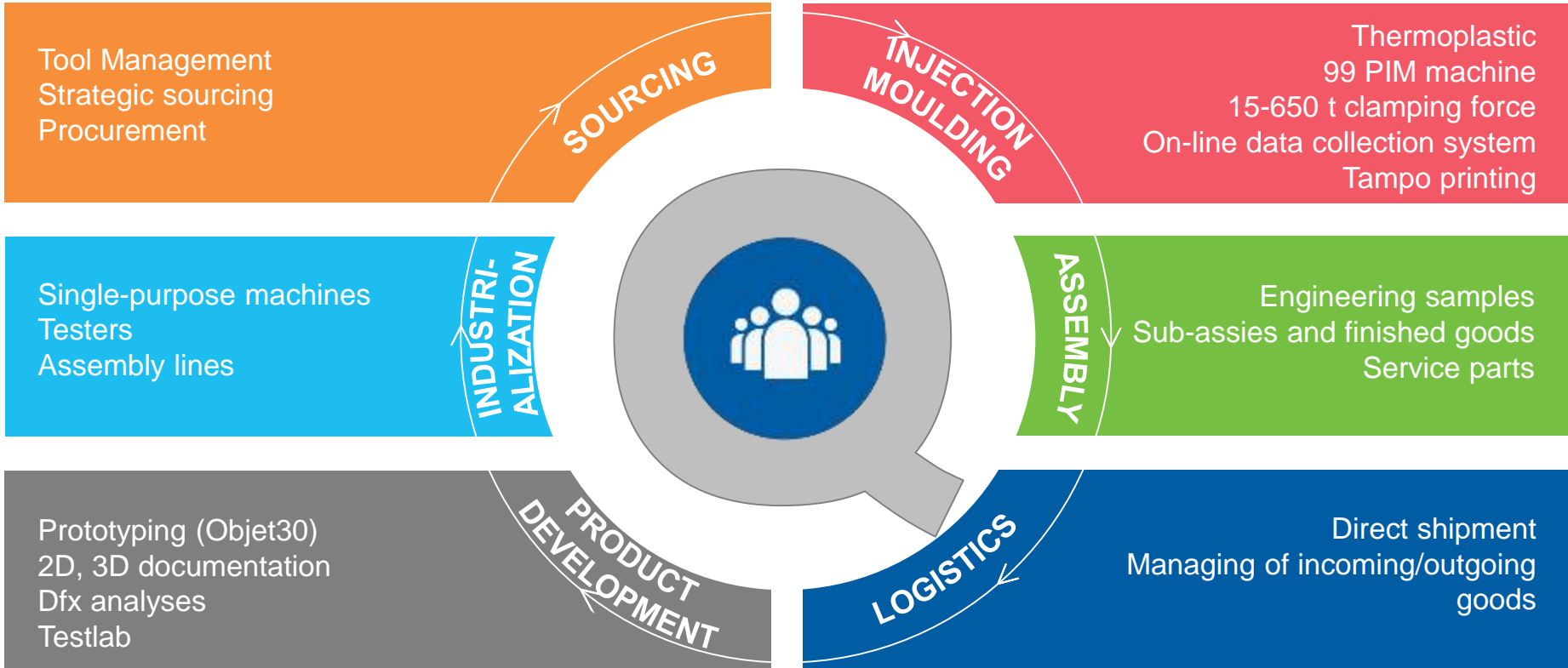


ISO 13485:2016



ISO 50001:2018

# BUSINESS MODEL



# PRODUCT DEVELOPMENT

1/2

- industrial / common design for product components with customers
  - design plastic and material components, sub-assembly
  - design electronics
- product renewing, facelift
  - products re-design, additional functions
- creating 2D and tolerance chain calculation, 3D doc
- feasibility studies, CFMEA, DFMEA, PFMEA, patent research, risk assessment
- creating prototype parts and devices – 3D printer
- 3D scanner for product and tool approbation
- special pre-approbation test devices, jigs
- pre-approbation tests in internal and external labs
- product approbation (TÜV Rheinland InterCert Hungary)



# TESTLAB

2/2

- infrared camera
- product design tests
- product release test
- product functionality-related
- product performance-related test
- battery related tests – charging, discharging, capacity tests, short circuit analysis
- RoHS compliance (XRF tester)
- pre-approbation tests
- internal test for investigation of quality problems



# INDUSTRIALIZATION

- state-of-the-art technologies
- process automation
- single-purpose machines
  - life-span and function testers
  - traceability systems
  - assembly fixtures, jigs
- high voltage testers
- assembly lines – from simple to automated



# SOURCING

## Tool management (more than 10 partners)

- supplier selection
- price negotiation
- regular site visits
- time tracking

## Strategic sourcing and procurement

- available supplier base – more than 500 vendors
- supplier development (co-operation, price negotiation)
- specialized commodity sourcing
- building strategic partnerships, seeking and qualifying new suppliers





# PLASTIC INJECTION MOULDING

- thermoplastic injection moulding
- 81 pcs PIM machines, 15-650 t clamp force (vertical, horizontal and 2K)
- on-line real time data collection and evaluation system
- automation, robotized production cells
- smart solutions: tool positioning system
- tamper printing, hot stamping, laser engraving
- welding technologies (IR, mirror, ultrasonic, friction)



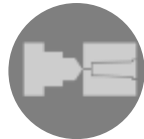
**270 types**  
resin and  
colouring



**75**  
supplier



**2600 t**  
annual resin  
consumption



**1100**  
active injection  
moulding tool



# ASSEMBLY

1/2

- engineering samples, mass production and service parts
- different country and colour versions
- customized, personal solutions – production cells to assembly lines
- self-made and purchased components
- wide range of complex sub-assemblies / end-products
- assembly, testing, late customizing



# BATTERY ASSEMBLY

2/2

- Li-ion, Ni-MH, Li-metal batteries
- single cells and complete battery packs
- enormous diversity and usage
- types according to its forms: cylindrical, prismatic, button
- technologies: blistering, shrinking, soldering, resistance welding, laser welding, screwing, charging, testing (complex), tamper printing, laser marking, packaging
- a member of the European Battery Alliance since 2018



**55 mEUR**  
cell value



**7 main**  
cell suppliers



**1-144 cells**  
contained in battery  
packs



# LOGISTICS

- 2600 tons of processed resin per year
- 11 000-pallet storage capacity
- 40 incoming trucks / week
- 25 outgoing trucks / week
- handling all Incoterms from EXW to DDP for incoming and outgoing goods



# QUALITY MANAGEMENT

- customers satisfaction first
- excellent quality products
- high level of services
- fulfillment of ISO standards and legislation
- continuous improvement
- strong supplier base



# PORTFOLIO

## PIM



## Battery assembly



## Box build assembly



\* Automotive

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# REFERENCES



# THANK YOU FOR YOUR KIND ATTENTION!



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