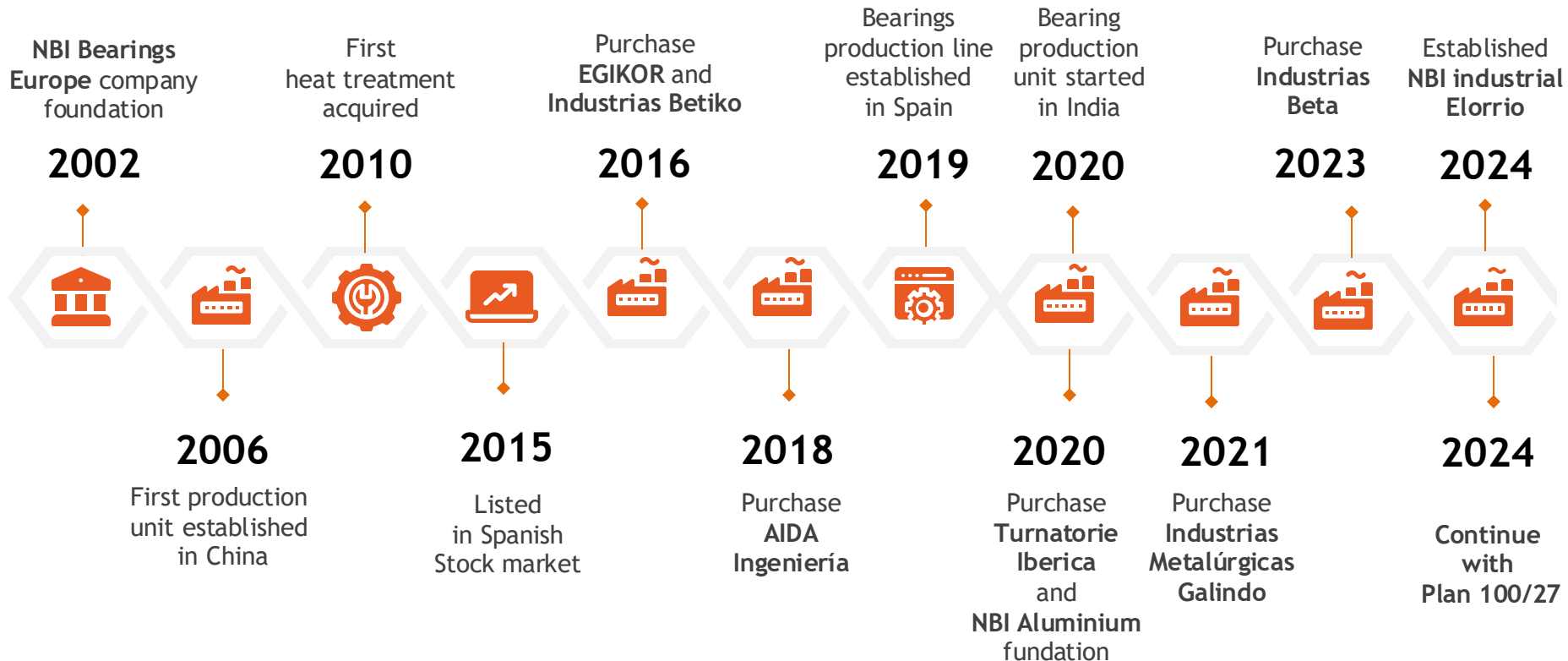


NBI industrial Elorrio



Bearings - Metal transformation - Aluminium injection and machining





■ Bearings division

- **NBI Bearings Europe**
NBI headquarter, R&D, designing, manufacturing plant, warehouse and sales office in Oquendo (Spain).
- **NBI Bearings Romania**
Application engineering and sales office in Bucharest (Romania).
- **Local sales support**
in Spain, Romania, Italy, Turkey, Germany, Brazil, Mexico, Chile, Peru, Colombia, In Ahmedabad, Durgapur and Coimbatore.
- **NBI India**
■ Manufacturing plant and warehouse in Ahmedabad (India).
- **NBI Changzhou – Cronos**
Manufacturing plant warehouse and sales office in Wujin (China). Strategic partnership.
- **Wafandieng SQA**
Laboratories in Wafandieng (China).
- **Jerry bearings transmission technology**
Roller manufacturing plant in Zhejiang (China). Strategic partnership.

■ Industrial division

Metal transformation

- **NBI industrial Elorrio**
Technical office and metal stamping plant in Elorrio (Spain).
- **NBI industrial Aida**
Technical office and boiler-making plant in Artea (Spain).
- **NBI industrial Betiko**
Technical office and multi-spindle machining plant in Bergara (Spain).
- **NBI Aerospace Galindo**
Technical office and precision machining plant in Mungia (Spain).

Aluminium injection and machining

- **NBI industrial Oradea**
Technical office and aluminium components' plant (HPDC) in Oradea (Romania).
- **NBI Aluminium**
Technical and sales office of aluminium injection and machining in Oquendo (Spain).

General information

Activity: Production of metal components by cold stamping and assembly, using materials such as high tensile steel, stainless steel and copper.

Production and warehouse: 5.000 m²

Working Force: 60 employees

Turnover: 15 M€ (2024)



Elevation industry

Large-scale reinforcements, assembled sets, visible parts with powder paint, stainless steel parts.

Automotive industry

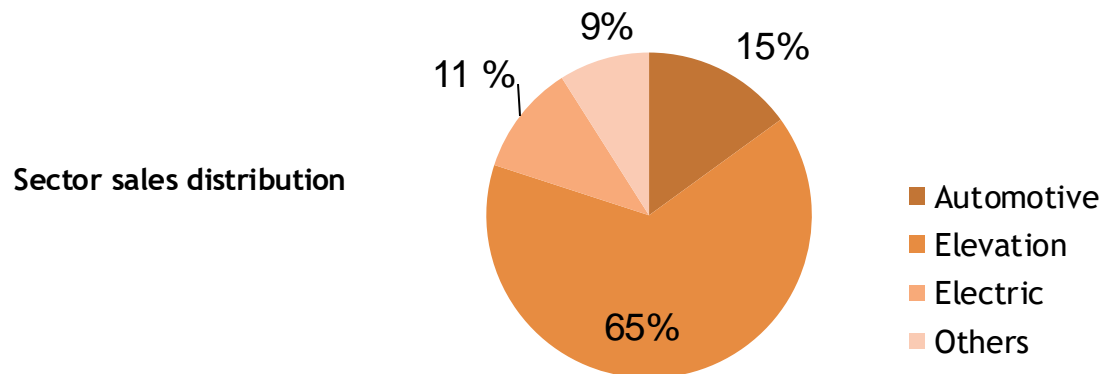
All kinds of hinges, inserts, shock-absorber covers, bushings.

Electric industry

Copper bending and stamping. Vast knowledge of copper processing means we can perform new bending and stamping operations, reducing the amount of raw material necessary, and thereby lowering manufacturing costs.

Other industries

Components and sets used in industries such as storage, capital goods, furniture.

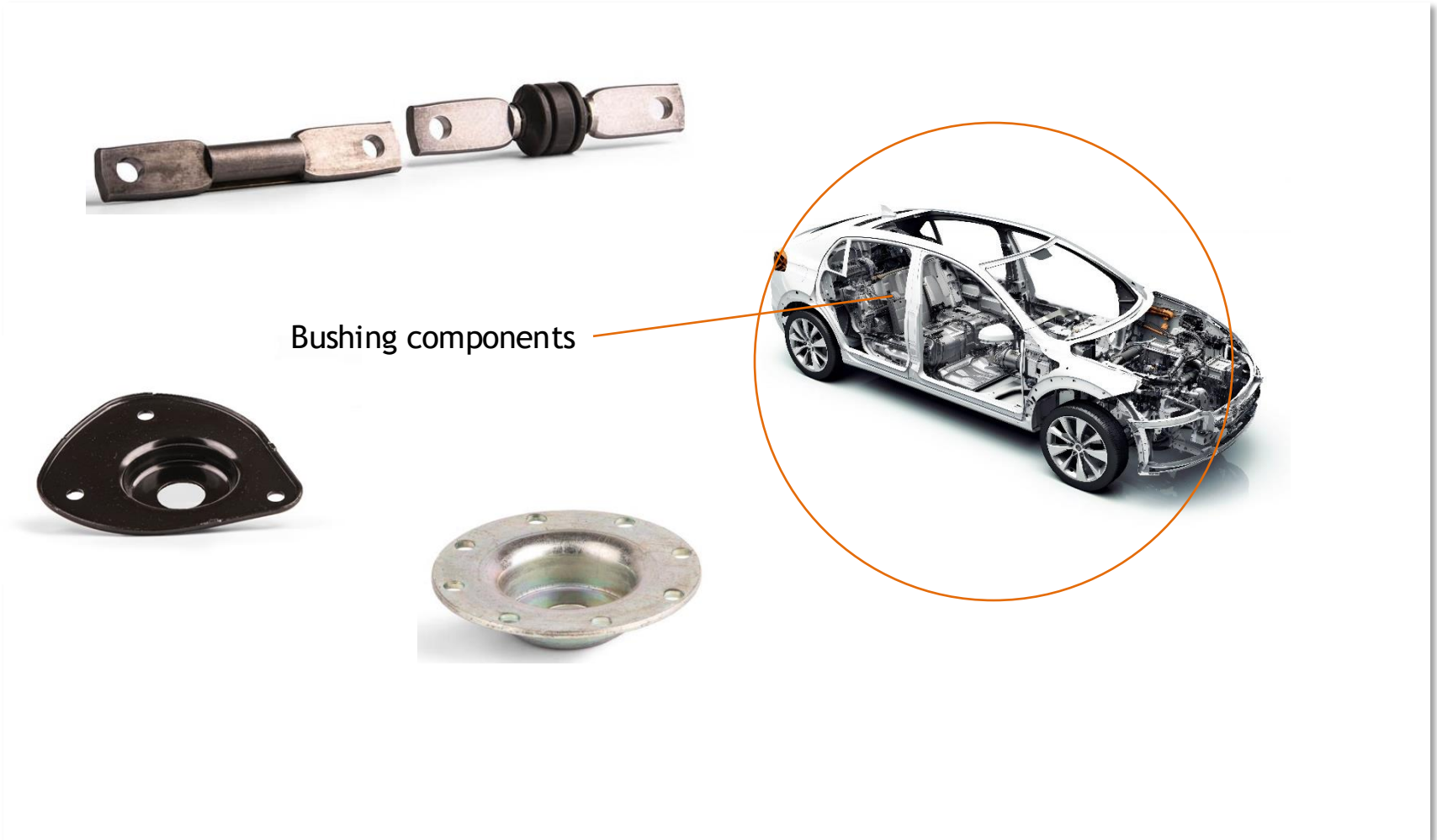


Cold stamping machinery

Power	Nº	Bed		Feeder	
		length (mm)	width (mm)	thickness (mm)	coil width (mm)
630 TN	1	3.200	1.500	1 --> 6	1.000
400 TN	3	3.000	1.200	0,5 --> 6	600
		2.700	1.200		
		2.500	1.100		
250 TN	4	1.900	800	0,5 --> 6	600
		1.500	900		
		1.200	750		
		1.100	750		
160 TN	2	1.300	800	0,5 --> 4	300
		1.300	780		
100 TN	2	1.100	660	0,5 --> 4	300
(60 TN --> 250 TN)	11	-		Manual	



Automotive sector



Elevation sector



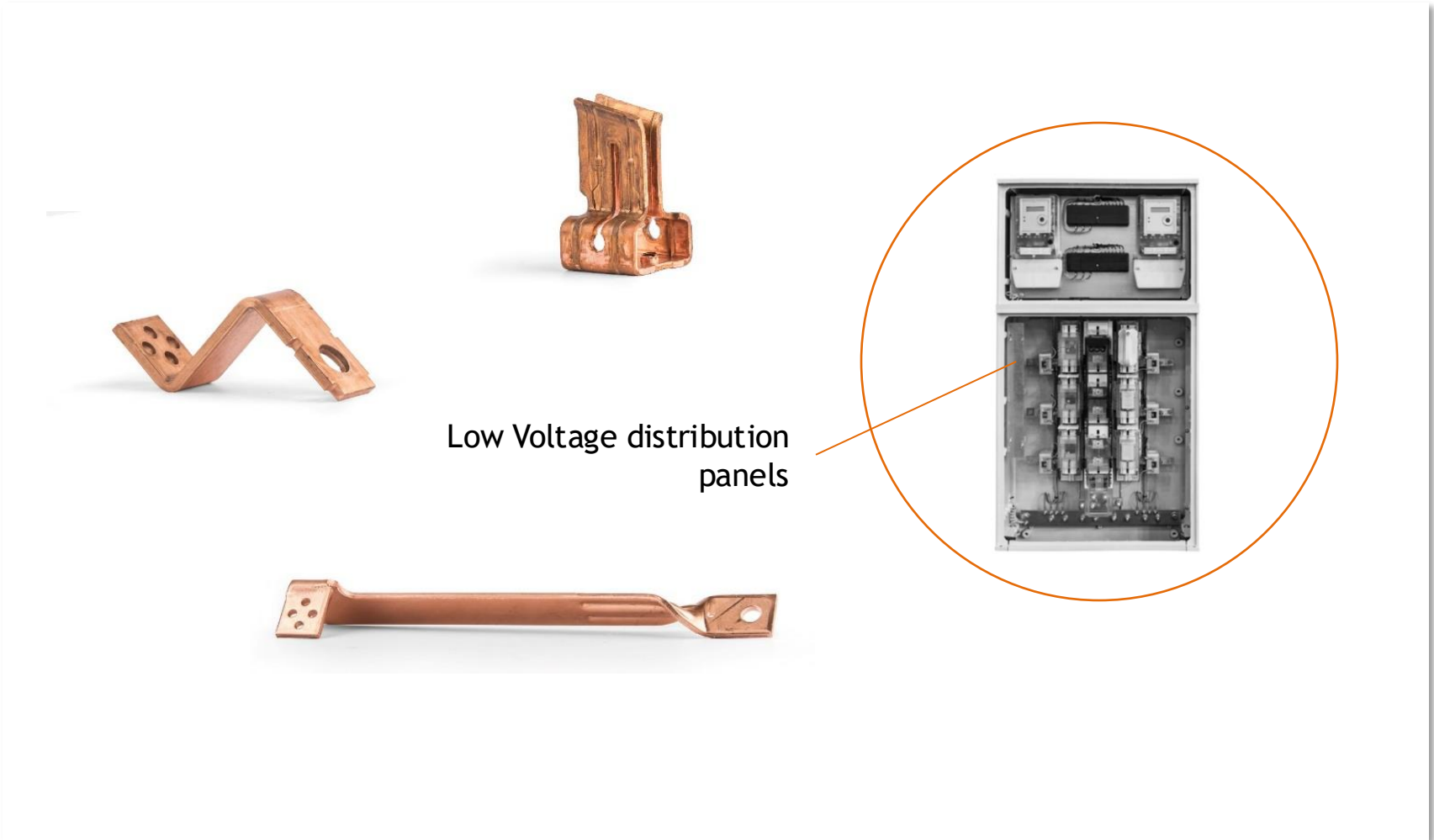
Door operator system components



Structure components



Electrical sector



Commonly used treatments → Outsourced

- Cathaphoresis
- Zinc and zinc alloys
- Zinc - Nickel
- Powder paint
- Silver plating







RFQ main activities

- Technical feasibility analysis (simulation if necessary)
- Production capacity verification
- Quotation submission (CBD)

NBI Industrial Oradea

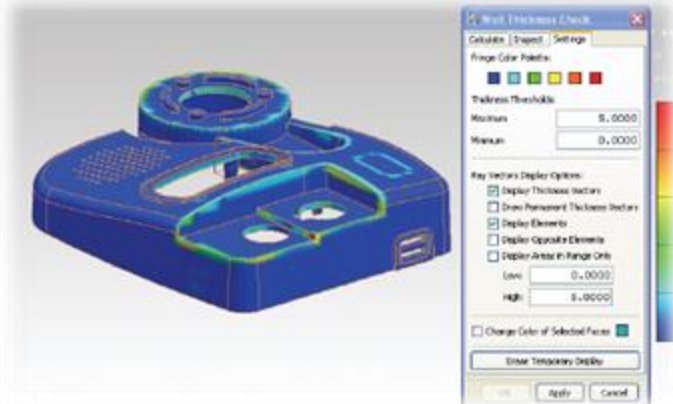
OFFER SOTUR2200172

Company: SOTUR
Date: 22 may 22
Year ref: 2022
Email: info@sotur.ro

Drawing N.	Description	Actual quantity	Material	Material (Kilg)	Net weight (kg)	Len (m)	Area weight (kg)	Material cost (EUR)	Vol (m3)	Electricity (kWh)	Address (km2)	Part price (EUR)

Testing:
 - Metal 2 samples: 0.0000
 - Finishing test 2 samples: 0.0000
 - Testing payment terms: 30% with purchase order, 30% with samples delivery, 30% with homologation

Business: SOTUR 12
Lead time: 28 weeks for first off tool & off process parts
 Entry date: 22 may 22
Remarks: See project conditions in page 2
 Payment terms: 30% Cash



CBD/Quotation example



Product & Process Design main activities

- Project team kick-off (project manager, quality, customer service, technical coordinator)
- Project plan definition. APQP launching
- Detailed technical analysis: simulations, process, tooling design
- Tooling Design freeze / PFMEA / Control plan

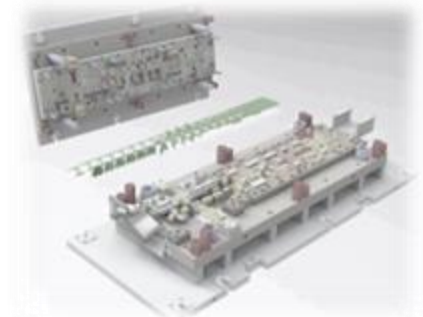


Business team + plant team

Kick-off check list

Project plan		Start	End	Task
1	Concept	01	01	Market PC based
2	Market PC based	01	01	Market PC based
3	Market PC based	01	01	Market PC based
4	Market PC based	01	01	Market PC based
5	Market PC based	01	01	Market PC based
6	Market PC based	01	01	Market PC based
7	Market PC based	01	01	Market PC based
8	Market PC based	01	01	Market PC based
9	Market PC based	01	01	Market PC based
10	Market PC based	01	01	Market PC based

Project plan timing



Process & Tool design validation



Manufacturing main activities

- Tooling sub-suppliers nomination
- Tooling manufacturing outsourcing
- Tooling buy-off at supplier (static & dynamic)
- Plant readiness preparation





Industrialization main activities

- Tooling shipment to NBI Plant
- Process set up parameters
- PPAP approval
- OTOP samples production



In-house metallographic, metrology and other tests laboratories equipped with the latest technology. Strategic partnership with some of the most advanced Spanish technological centers: CEIT and Tekniker. These fully equipped laboratories are shared by the application engineering, design, R&D and manufacturing teams.



Certified with: ISO 9001:2015
ISO 14001:2015
IATF 16949:2016



Key benefits with NBI group



Own production plant performing whole manufacturing process



Safety stock for fast delivery



Alternative reliable solution



Globally recognized brand by leading OEMs



Flexibility and quick decisions



Standard and tailor-made solutions



Customer centric mindset



Application and project engineering



Multi-language salesforce



Own laboratories



Improve customer's profitability



Financial strength



grupo | **NBI**[®]
gruponbi.com

NBI industrial Elorrio

Pol. Ind. Betsaide pabellón C. 48230 - Elorrio (Bizkaia) - Spain

Tfno: (+34)943 172 550