



PRESSURE SENSORS & MICRO-ELECTRONICS

METALLUX SA

THE COMPANY
ELTEK GROUP
OUR ATTITUDE
APPLICATION-
DRIVEN
PRODUCTS



PART OF YOUR SUCCESS STORY

METALLUX SA – THE COMPANY

Metallux is a Swiss leader provider worldwide in the fields of

- **pressure sensing solutions**
 - customized pressure sensors
- **electronic circuits realization**
 - thick film technology
 - micro-electronics
 - chip-and-wire
 - surface mounting technology
 - multi-layered ceramic circuits
 - hybrid circuits



Premises in **Mendrisio, Switzerland**

Turnover 2016: 24.6 MCHF

Turnover 2015: 23.5 MCHF


120 employees

Part of **Eltek Group** since 2006

Italian multinational group

- 1'100 employees
- 151 M€ aggregate 2016 turnover

• Five divisions

- Automotive
- Appliance
- Medical
- Biomed and Nanotech
- Sensing and electronics 

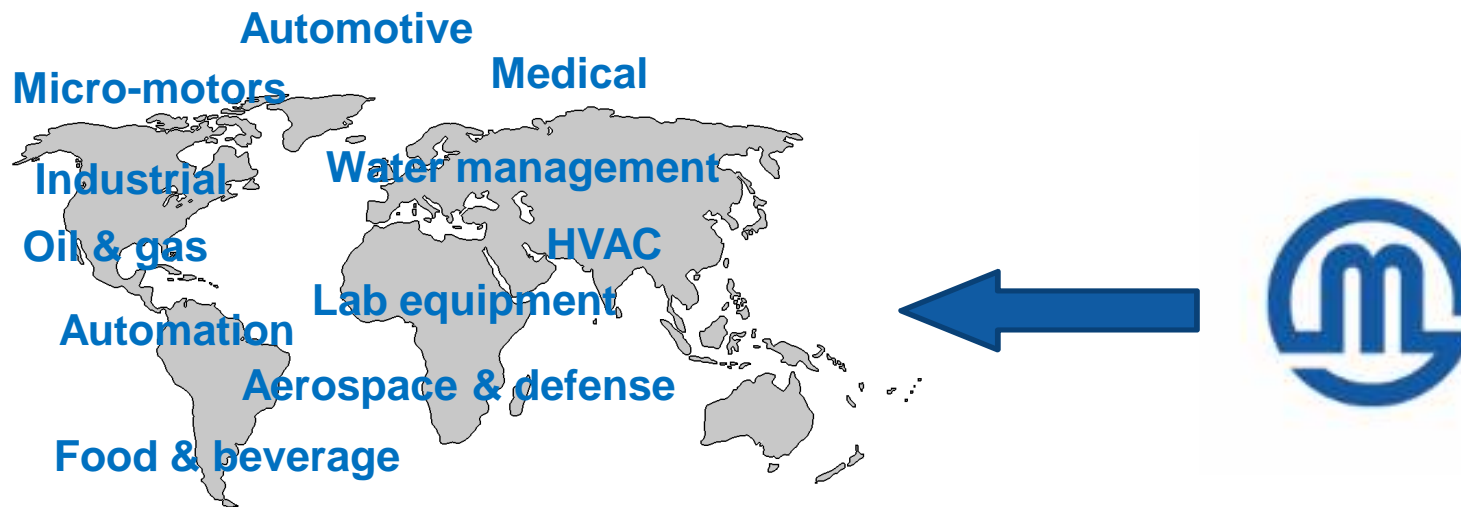
• Six manufacturing plants

- Two in northern Italy (HQ Casale Monferrato and Hone)
- Bielsko Biala, Poland
- Yantai, China
- Jundiai, Brazil
- Metallux, Switzerland



BACK TO METALLUX...

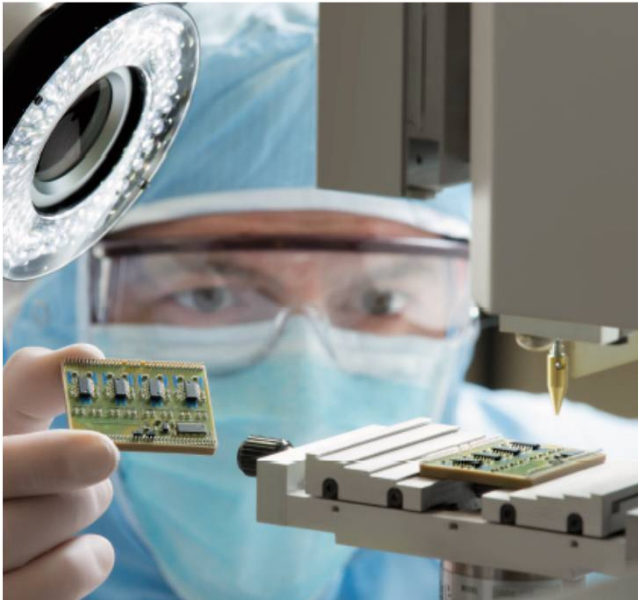
Metallux provides pressure sensing solutions and electronic circuits for Eltek Group and **many other customers worldwide**



... you name it ... !

THE METALLUX ATTITUDE

“PART OF YOUR SUCCESS STORY”

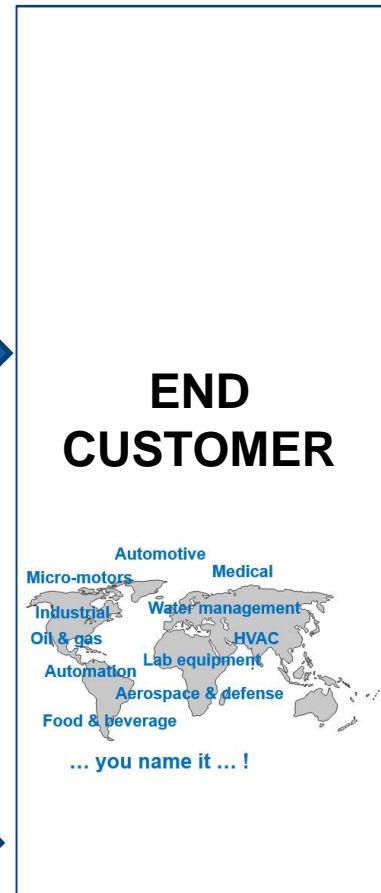
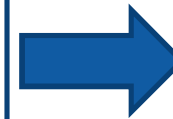
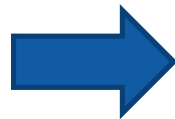
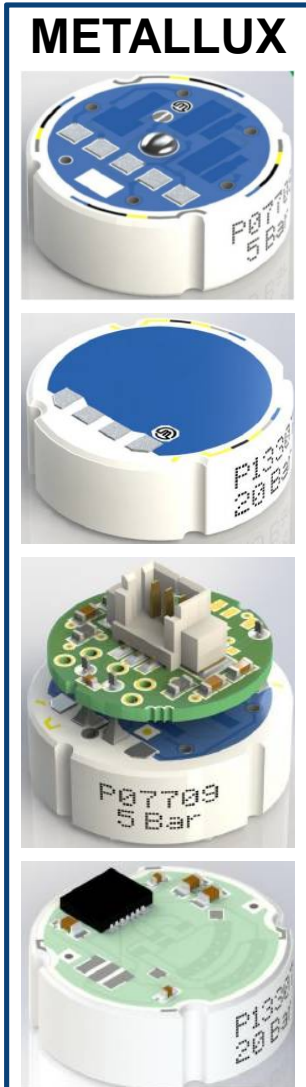


Rather than standard products, Metallux is focused on
engineering, development and processes

We aim to be a **contract manufacturer**, providing **customized solutions**

APPLICATION-DRIVEN PRODUCTS

Pressure sensing - Industrial examples



APPLICATION-DRIVEN PRODUCTS

Pressure sensing - Automotive examples

METALLUX



ELTEK



DeNOx



SCR Euro 6



P+T SENT



Fuel pressure

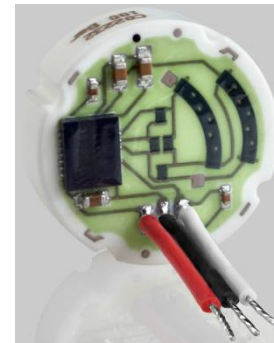


**AUTOMOTIVE
END
CUSTOMERS**



APPLICATION-DRIVEN PRODUCTS

Pressure sensing – Other examples



Ceramic pressure sensors

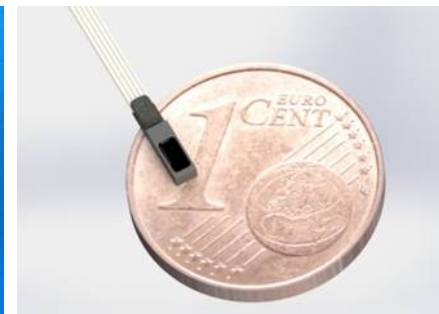
Steel sensors

Microsensors

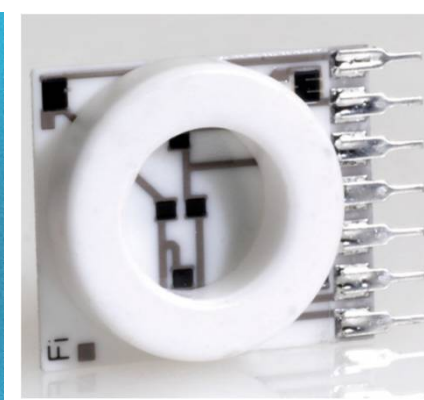
Smaller diameters

Differential

... and more



9 mm diameter

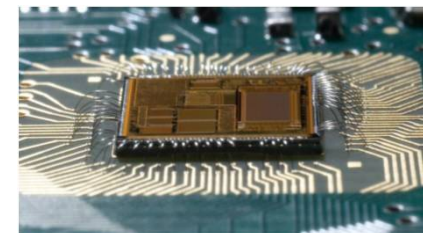
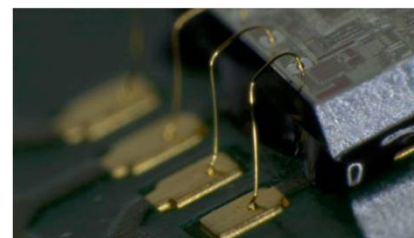
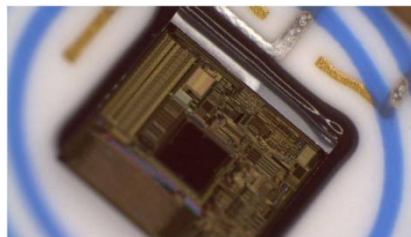
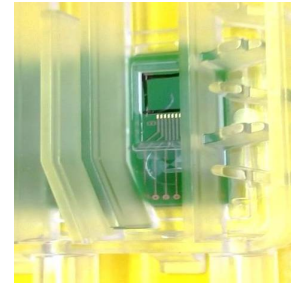


APPLICATION-DRIVEN PRODUCTS

Electronic circuits realization examples

On-demand electronic circuits realization

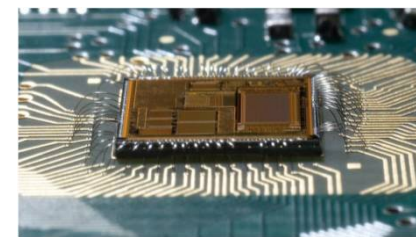
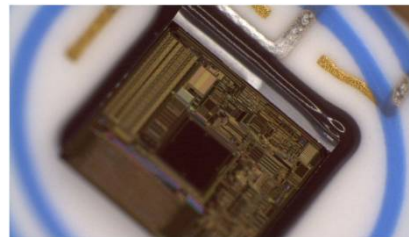
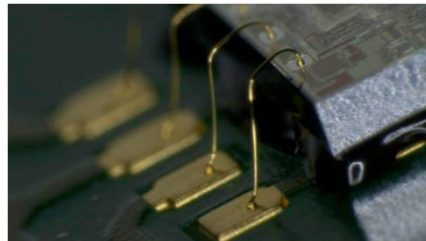
- Thick film technology
- Die attach
- Ball and wedge bonding
- Chip-On-Board
- Surface Mounting Technology
- Encapsulation
- Multi-layered circuits
- Hybrid circuits
- Miniaturization
- Assembly on various substrates: Al_2O_3 ceramic, stainless steel, sapphire, FR4, Flex



APPLICATION-DRIVEN PRODUCTS

Metallux technology vs. substrate

TECHNOLOGY-SUBSTRATE APPLICATION TABLE						
	Ceramic Al ₂ O ₃	AlN	FR4	Flex	Stainless steel	Sapphire
Screen printing	X	X			X	X
SMT	X	X	X	X	X	X
Chip & Wire	X	X	X	X		





THANK YOU FOR YOUR ATTENTION

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