

Micro-Hybrid Electronic



Supporting our customer's mission.



**GAS
SENSORS**



**ELECTRONIC
MICRO SYSTEMS**



**INFRARED COMPONENTS
AND SYSTEMS**



**INERTIAL
SENSORS**

Your **one-solution-provider** for OEM development and production
for innovative micro electronics and sensors.


www.microhybrid.com

Products and value

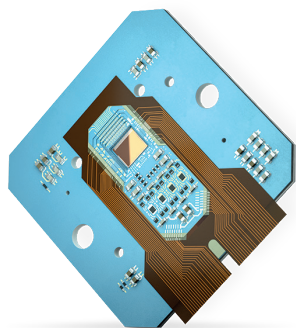
Micro-Hybrid Electronic GmbH is one of the world market leaders in the development and production of sophisticated customer-specific electronic solutions.

We have been developing and producing innovative microelectronics and infrared sensors for over 25 years. Our customers benefit from unsurpassed solutions for control tasks in difficult environmental conditions. Our portfolio ranges from ceramic substrates and housings for miniaturized electronic modules for sensor control to infrared components and sensors for temperature measurement and gas analysis as well as inertial measurements in railway and rail applications.



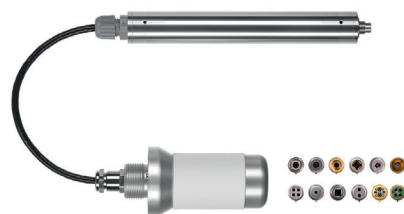
LTCC – CERAMIC MULTILAYER CIRCUITS

- Design and engineering
- Customer specific development
- Inhouse production of ceramic multilayer circuits LTCC and thickfilm technology



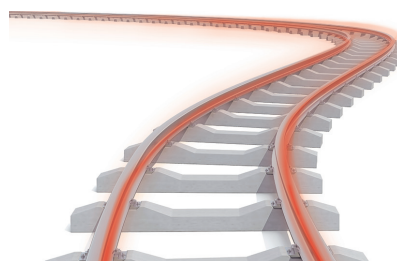
SENSORS AND COMPONENTS FOR NDIR GAS ANALYSIS

- NDIR gas sensors for harsh environments
- MEMS based IR emitter with true black body radiation
- High sensitive IR detectors
- HermeSEAL® technology
- Tailor made IR solutions



SENSORS FOR TRAINS AND VEHICLES ON RAIL

- Sensor solutions for railway applications (EN 50155 conform)
- Acceleration, vibration and angular velocity



Facts & figures

5 Locations worldwide

- 📍 **Germany**
 - Hermsdorf
 - Ilmenau
 - Münchenbernsdorf
- 📍 **China**
 - Qingdao
- 📍 **US Arizona**
 - Tucson



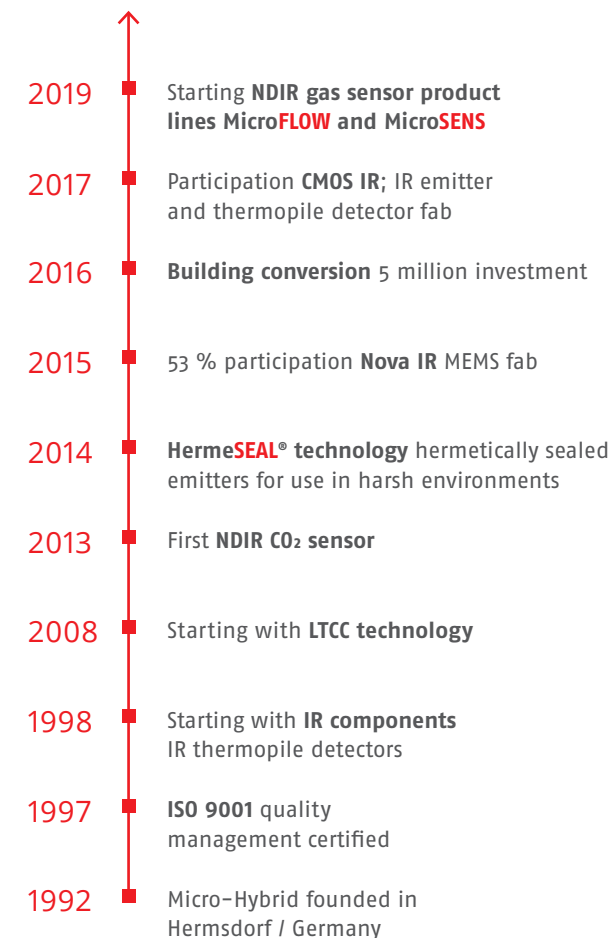
> 2 Mill. IR components sold since 2010

> 30 Mill. Total investment since 1992

> 200 Employees worldwide

> 25 Years electronic micro systems OEM experts of ceramic multilayer circuits

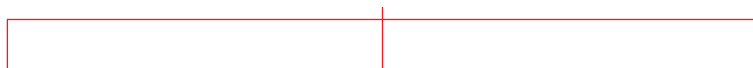
> 3.000 qm production area ISO certified quality standards



Company information



Shareholdings



MICRO-SENSOR

Inertial sensors for
industry and rail

NOVA IR

Infrared source
MEMS fab

CMOSIR

IR emitter chips and
thermopile detectors

International sales and distribution offices

North America

Jeff Baymor

Jeff.Baymor@nova-ir.com

T +1 520 3497686

Russia

Andreas Haustein

a.haustein@micro-hybrid.de

T +49 174 322 53 90

T +7 915 326 84 81

China

Lisa Wen

lisa.wen@micro-hybrid.cn

T +86 185 6176 3711

NEW online shop for IR components and sensors

 **microhybrid.com/shop**

Micro-Hybrid Electronic GmbH

Heinrich-Hertz-Str. 8

07629 Hermsdorf | Germany

T +49 36601 592-0

contact@micro-hybrid.de



www.microhybrid.com

