COMPONENTS AND SOLUTIONS FOR THE DIGITAL TRANSFORMATION
For businesses that need **customized hardware/software solutions** for Industry 4.0

### Industrial IoT

**Businesses** that need to make operations visible in real time (systems of sensors for harsh environment, digital retrofit of existing plants, wearable devices)

### Cybersecurity

**Businesses** that need to protect their brands, their data, and people’s data (anticounterfeiting, cybersecurity monitoring).

### Semiconductors

**Businesses** that need advanced tools and application-specific functional blocks for semiconductor technology (IP/software licensing)
Industrial IoT: Sensors for harsh environments

• Development of sensor solutions capable to operate in harsh environments in terms of form factor, power supply, communication, temperature, pressure, humidity

• Based on company know-how on extreme-low-power integrated circuits built during several research and development projects.
Cybersecurity: Autentication solution based on silicon Physical Unclonable Functions for luxury goods, pharmaceuticals, Industrial IoT, access control

Pioneering Research at Unipi

Cybersecurity: Nervis probe
Active assessment of company network security

- Active security
- Fully self-configured proprietary hardware installed in the company network.
- Transparent integration
- Periodic reports
- Smart Working
Semiconductor solutions: NANOTCAD ViDES: Nanoscale device simulator

• Quantavis provides support and consulting services based on NanoTCAD ViDES

• Development of customized software modules tailored for particular applications, materials, devices.

• Simulation and design services for the exploration of technology options.

• Training courses on NanoTCAD ViDES.

• Dedicated support on tools and simulation methodology.
Contatti

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