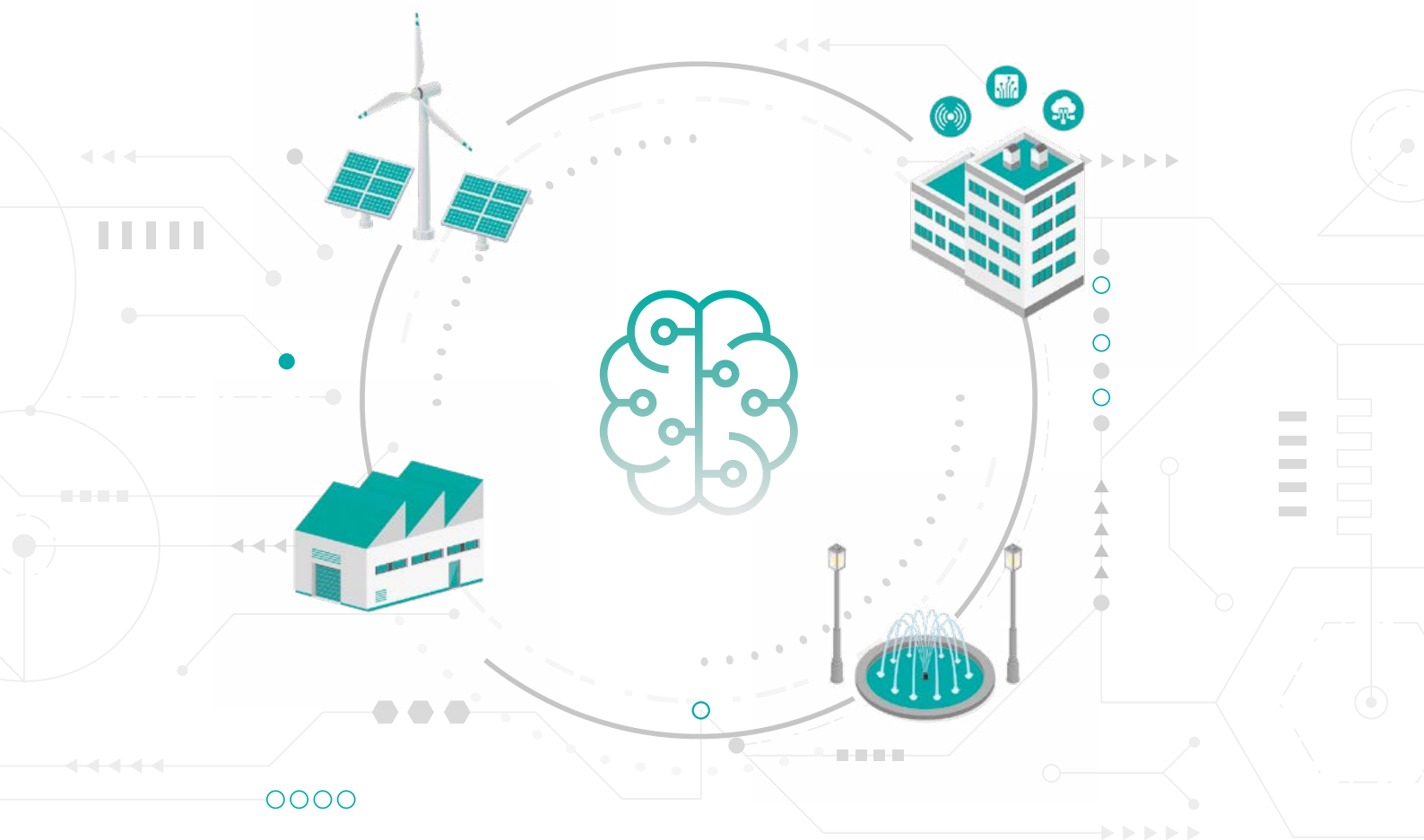


NEWS 2024

IP66/IP68/IP69 electrical connectors and solutions for IoT ecosystems









NEW!



Efficient, Fast and Specialised

From a manufacturer of technical plastic products, to a leader in the sector of electrical connections with high protection from water and dust (IP6x), to a reliable partner to create innovative and customised solutions. Today Techno is more than a cutting-edge company: it is the partner that offers more than 30 years of experience in the field of plastic materials, product development and Additive Manufacturing to create solutions tailored to your needs.

Techno in a nutshell

 10.5 M€	 47 Employees	 38 Years	 77 Countries
 20 Patents	 12 Trademarks	 30 Customised projects (last three years)	 3.000 Catalogue items



Authentic Italian products (Made in Italy)

Techno designs and manufactures in Italy, making use of suppliers, consultants and partners who produce in Italy. Techno is certified Made in Italy according to Italian Law (Law number 166 article 16 of 20 November 2009).



YOUR ADVANTAGES WITH TECHNO

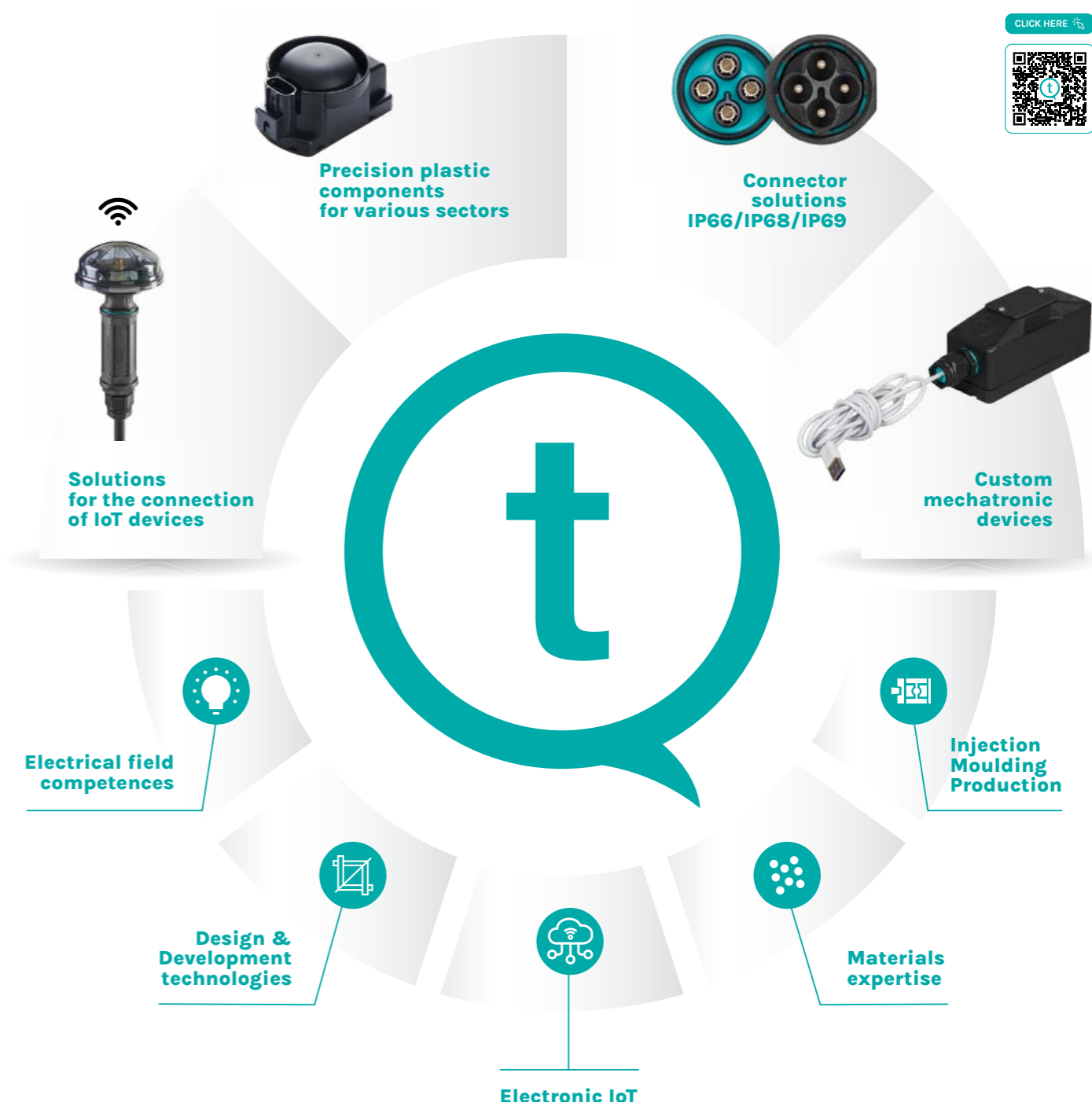
- + Certification of origin and quality (Institute for Protection of Italian Producers)
- + Full control throughout all phases of the manufacturing process and cost-efficient supply chain
- + Flexibility and reactivity



Reliable and useful connecting solutions

Our proposal of catalog solutions and customised design and production services ensures our customers products guaranteed over time and certified. At Techno you will always receive the right answer and the assistance of a specialised partner.

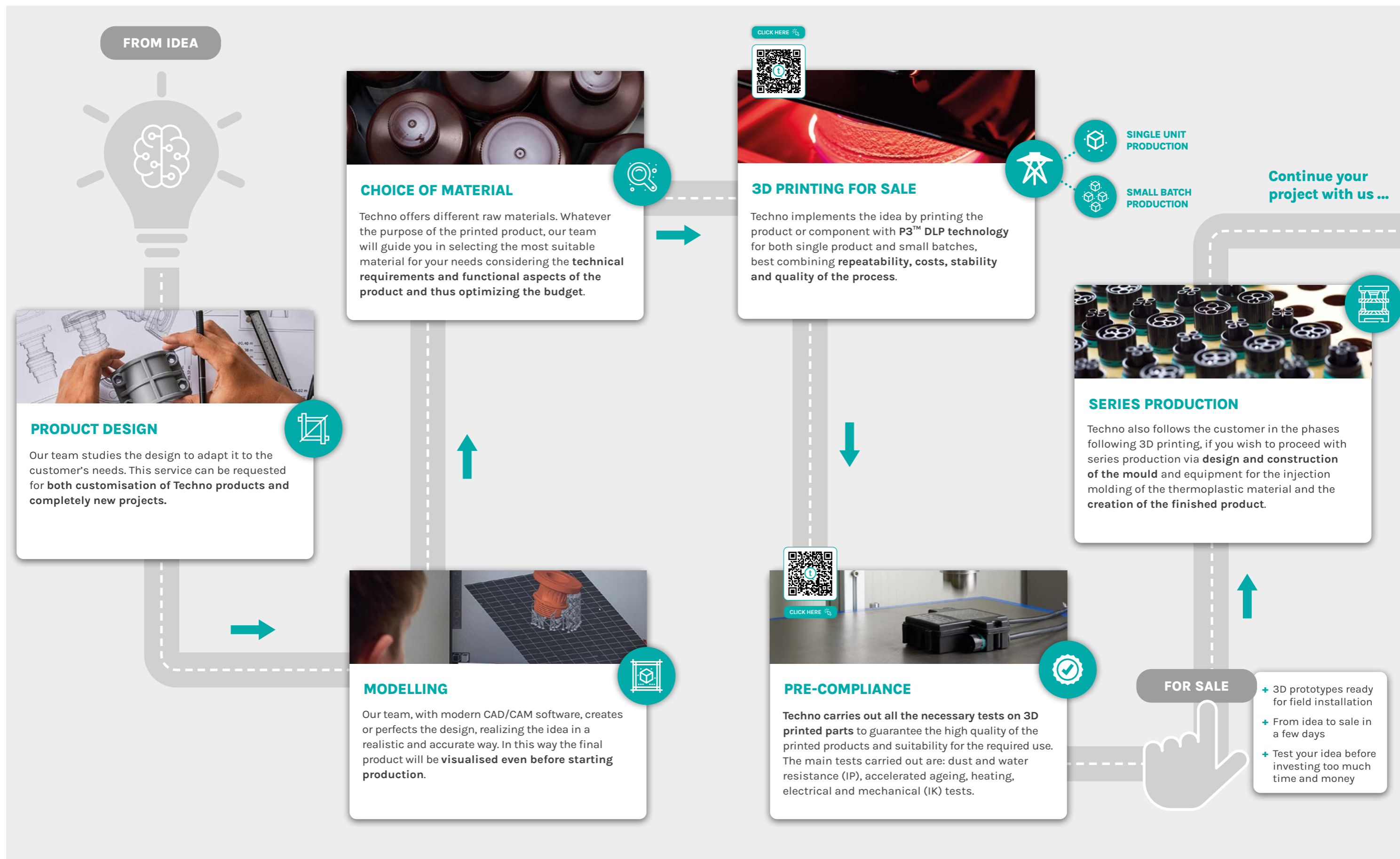
Expertise and speed in developing customised solutions



You can trust us to manage the entire project

Learn more about Techno:
watch the videos

[CLICK HERE](#)



What we do very well

Design and develop high-resistance electrical connectors
for outdoor environments and heavy-duty applications (IP66/IP68/IP69).

Our mission

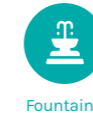
Facilitate installation and maintenance activities,
make electrical systems and appliances safe.

YOUR ADVANTAGES

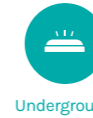
- More compact connectors than ordinary
- Electrical performance up to 25A/630V AC
- DC functionality
- Dust and water protection up to IP69 and impact resistance up to IK10
- Operating temperature up to 100°C
- Screw and screw-less terminal blocks for field wiring (crimp connectors available)
- Quick coupling and release of the connection
- Pre-configured current distributors and plug&socket solutions



Connecting solutions for lighting



Fountains



Underground



Facades



Infrastructures



Monuments



Street & Urban

Guarantee of safety, visual comfort and aesthetics for your projects

Our commitment to develop safer connections and aesthetically non-invasive products.



Application example: installation in landscapes and gardens



2 Higher resistance against humidity (xDRY® anti-condensation solutions)



xDRY
ELECTRICAL CONNECTORS IP68 ANTICONDENSATION

CLICK HERE



Fast pre-wired mini branch connectors (IP68) (TH392 xDRY® Series)

- + Compact for installation in small spaces
- + Ideal for sequential connections
- + Convenient alternative to junction boxes (speed and functionality)

3 Miniature connecting solutions for maximum functional and aesthetic integration



CLICK HERE



Micro plug-socket connectors (IP66/IP68/IP69) (TH381/TH625 Series for AC/DC circuits)

- + Connector outer diameter of 14 mm and screw terminal blocks
- + Quick plug&play connections and disconnections
- + Kit with branch connectors for series and parallel wiring

Precision, efficiency and guaranteed reliability

Our connecting solutions guarantee electrical continuity in environments with humidity, dust and aggressive environmental agents.



Application example: architectural installation



4 Faster wiring with less installation mistakes



CLICK HERE



Quick in-line mini joint connectors (IP66/IP68) with screw-less terminal blocks (TH393 Series)

- + Wiring without using tools (screw-less)
- + Cable gland with tamper-proof system and bayonet coupling
- + Can be integrated into ducts, corrugated pipes and other installation products

5 More versatile junction boxes with built-in cable glands and connectors



CLICK HERE



Hybrid junction boxes (IP68) (TH209 Hybrid Series)

- + Can be configured with modular Techno accessories
- + Compact for installation in small spaces
- + Electrical and electronic components protected from external agents

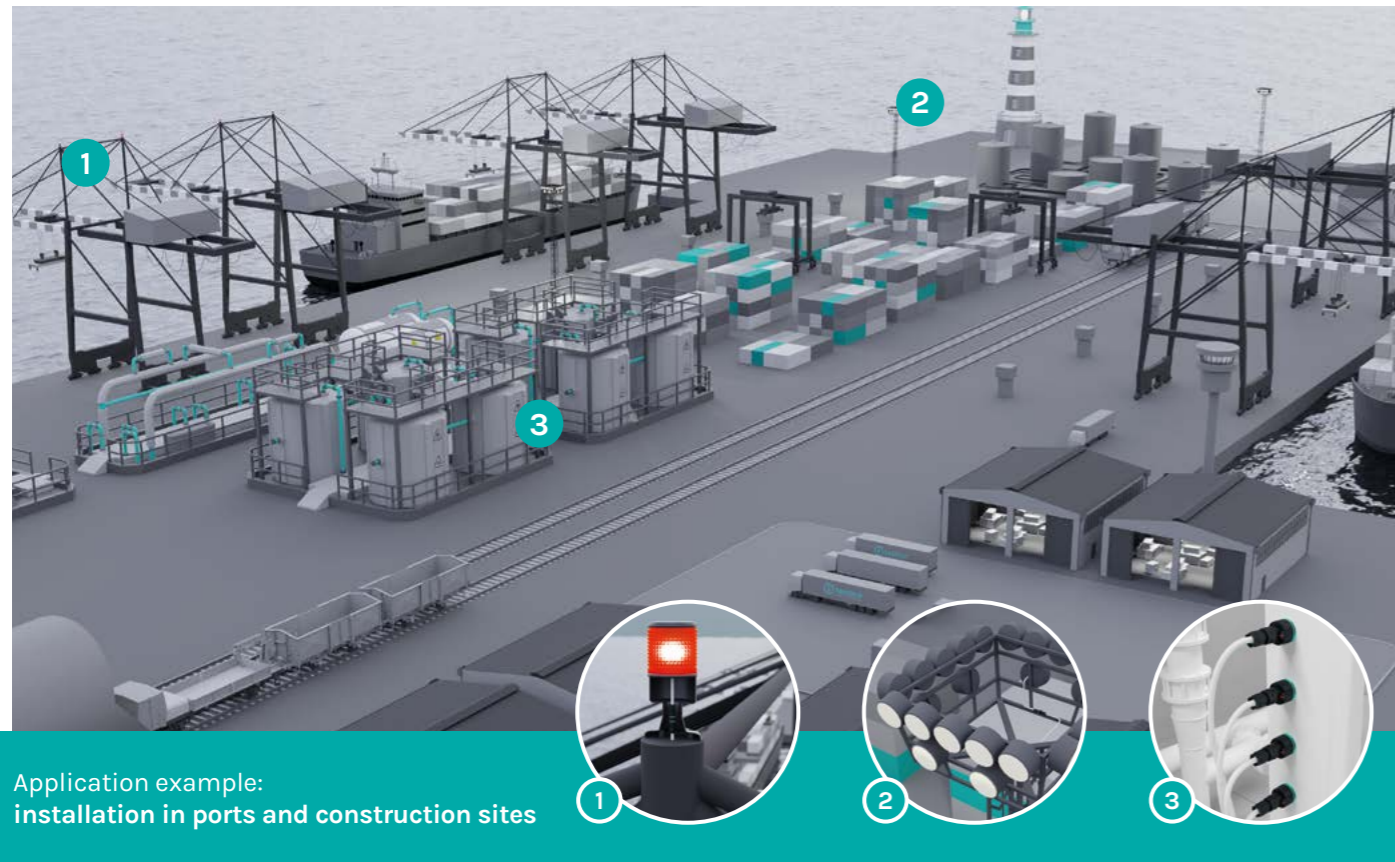


Connecting solutions for industry



Safety and reliability for heavy-duty applications

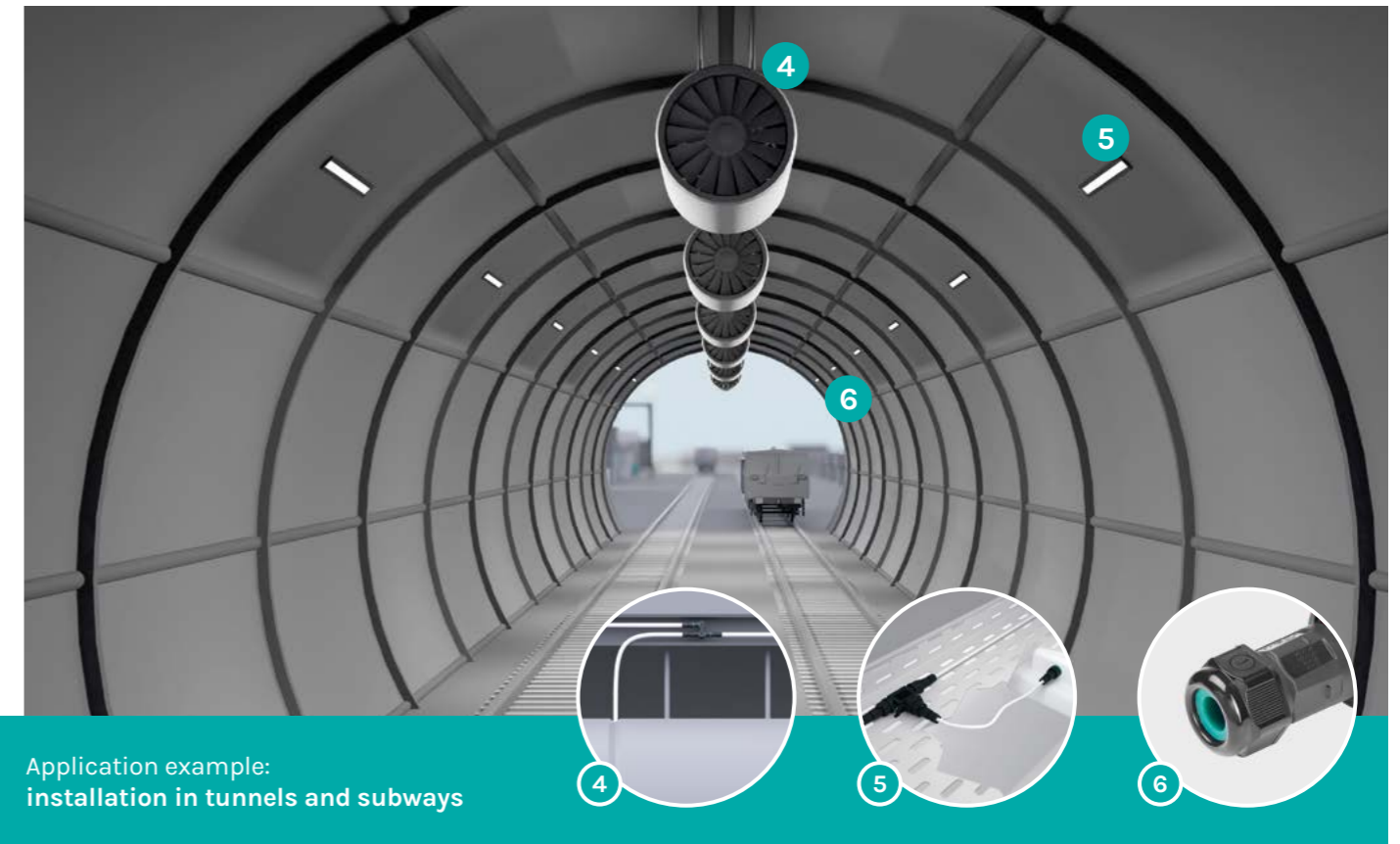
Our commitment to developing high quality catalogue or customised connectors that last over time.



Application example: installation in ports and construction sites

Prevent the risk of electrical discontinuity from external factors

Effective technical solutions that integrate signal and power to ensure reliable installations.



Application example: installation in tunnels and subways

1 More power in less space



Quick coupling plug-socket connectors (IP66/IP68) (TH389U Series)

- + Ideal for industrial applications up to 25A - 630V AC
- + Quick coupling and release system (push-pull) reduces installation mistakes
- + High temperature resistant with sealing elements made of silicone

3 Guarantee of electrical continuity in power and signal circuits



Hybrid plug-socket connectors (IP66/IP68) (TH405U, TH406U Series)

- + Hybrid connectors: 3 poles (Power) + 2 poles (Signal)
- + For conductors up to 8 poles and for wires up to 4.0 mm²
- + Highly resistant to dust and water ingress (IP66/IP68) and mechanical impacts (IK08)

4 Robust current distributors for heavy-duty applications



Plug-socket current distributors (IP66/IP68) (TH389U, TH629U Series)

- + Up to 4 poles for conductors with cross-section up to 2.5 mm²
- + Quick push-pull couplings and releases
- + 1-input and 2-outputs connector layout

5 Optimised installation and maintenance times and costs



Plug-socket current distributors (IP65) (TH405, TH631 Series)

- + Pre-wired junction boxes with connectors
- + Quick bayonet couplings and releases

6 Reliable extension and cable repair solutions

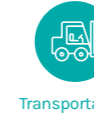
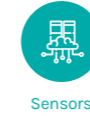


Power in linear joint connector (IP66/IP68) (TH400U Series)

- + Can be re-inspected and re-accessible even after long periods
- + For conductors up to 4 poles and for wire sections up to to 6 mm²
- + Can install cable fasteners with standard M32 thread (e.g. cable glands or membranes)

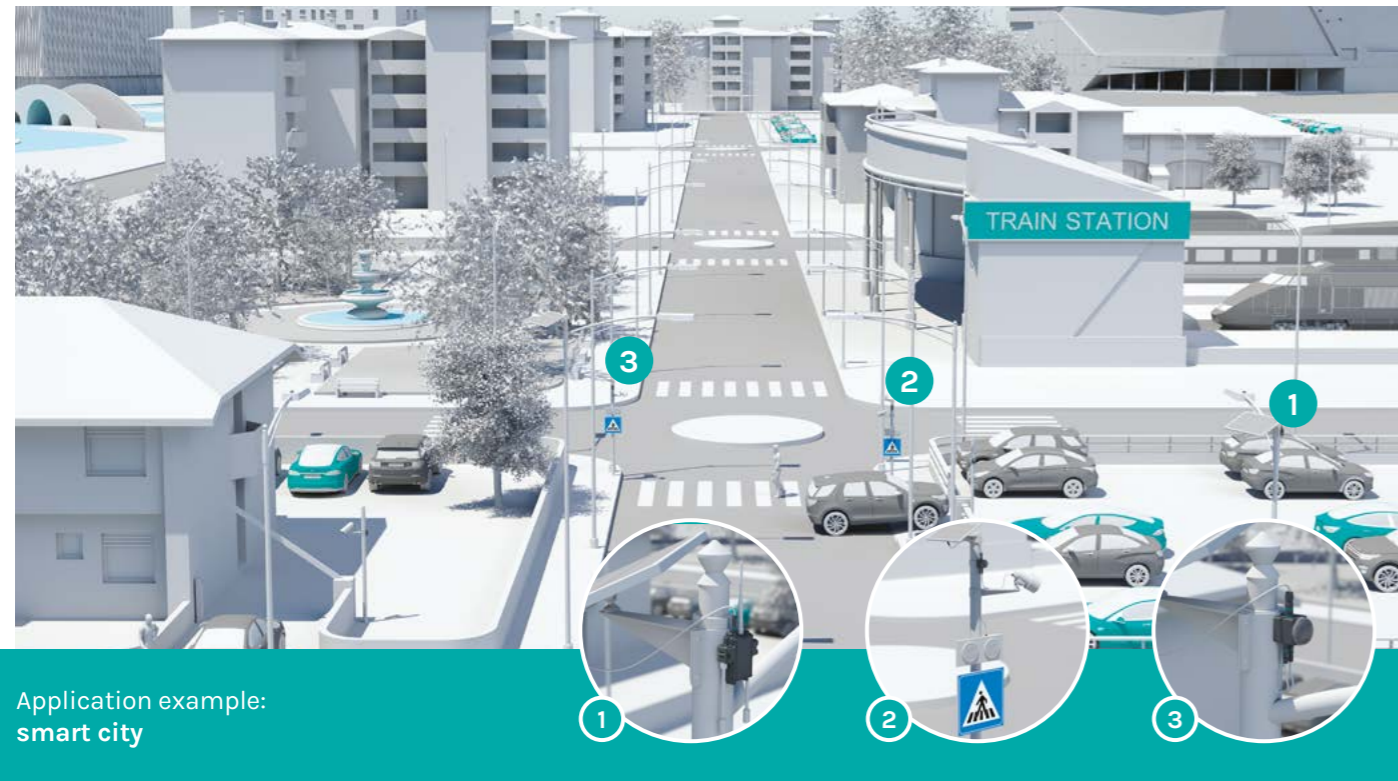


Integrated solutions for IoT applications



High-quality and modular connections platform

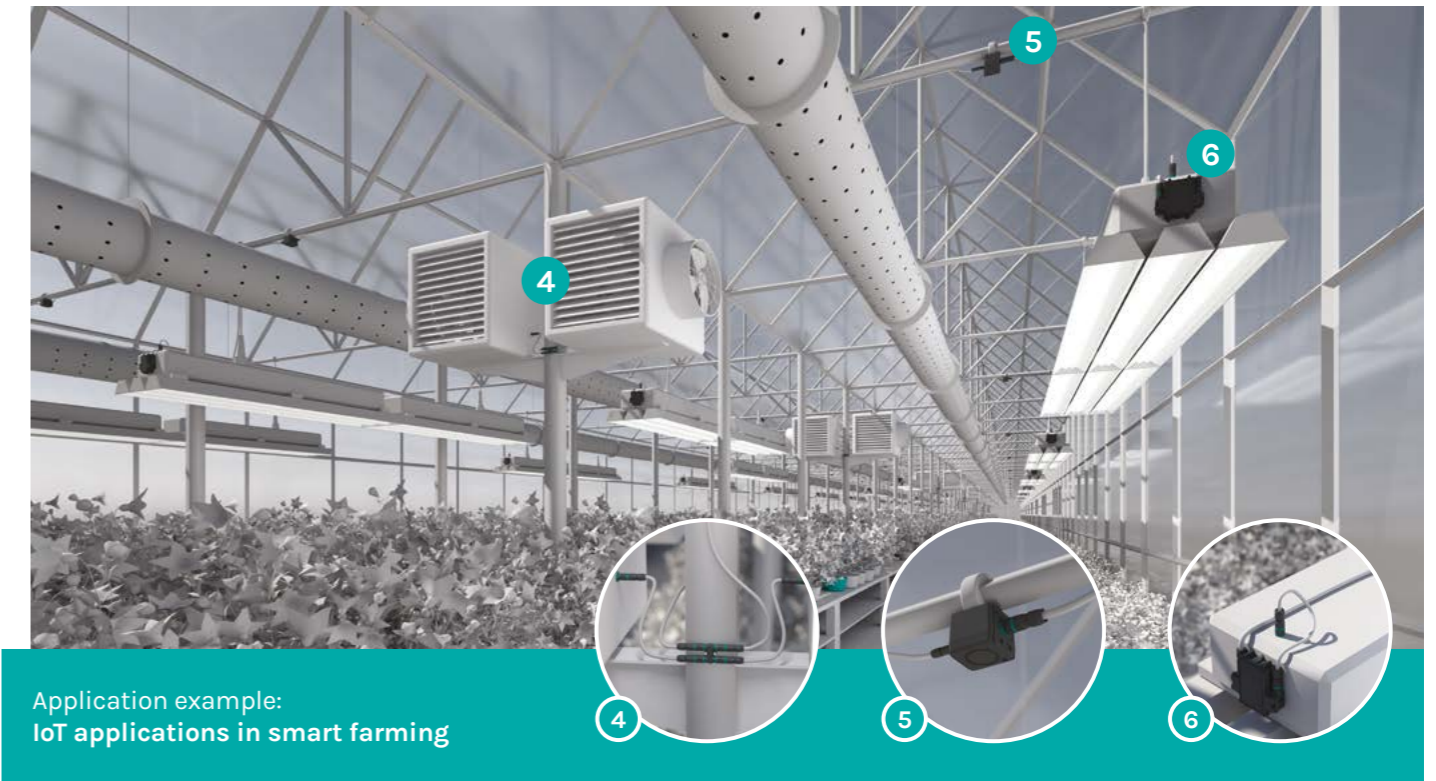
for the interconnection of wireless, wired and sensor technologies in innovative projects.



Application example: smart city

We support OEMs, system integrators, installers and designers

with solutions pre-configured with electronics (IoT ready) or customised for advanced systems with the guarantee of reliability and speed of installation.



Application example: IoT applications in smart farming

1
IP68 protection of the power supply and control from external agents



Pre-configured junction boxes (IP66/IP67/IP68) (IoTH210 Series)

- + Pre-configured with IoT devices and electrical connectors
- + High impact resistance (IK10)
- + Slim and only 42 mm thick

3
Integration of IoT devices and sensors in small space



"IoT ready" mini junction boxes (IP66/IP68) (IoTH212 Series)

- + Harmonious appearance for architectural projects
- + Installation without tools and screws on the lid (IP66)
- + Pre-configured with Techno connectors and available up to 6 inputs-outputs

4
Miniaturised plug-socket branch connectors for low-voltage applications (60V DC)



Plug-socket micro current distributors (IP66/IP68) (TH625 Series)

- + Quick plug&play connections in series and parallel
- + Differentiated versions with mech. coding and colours for power and signal
- + Compact size for limited space (59 x 39 x 16 mm)

5
Much more than a junction box



Mini junction boxes 6 inputs-outputs (IP66/IP67) (TH212 Series)

- + Empty or pre-configured with Techno or other standard connectors
- + Versatile and functional, can be installed on various panels and supports
- + For temporary immersion in water up to IP67

6
Ready-to-use IoT cable gland with integrated voltage-current converter



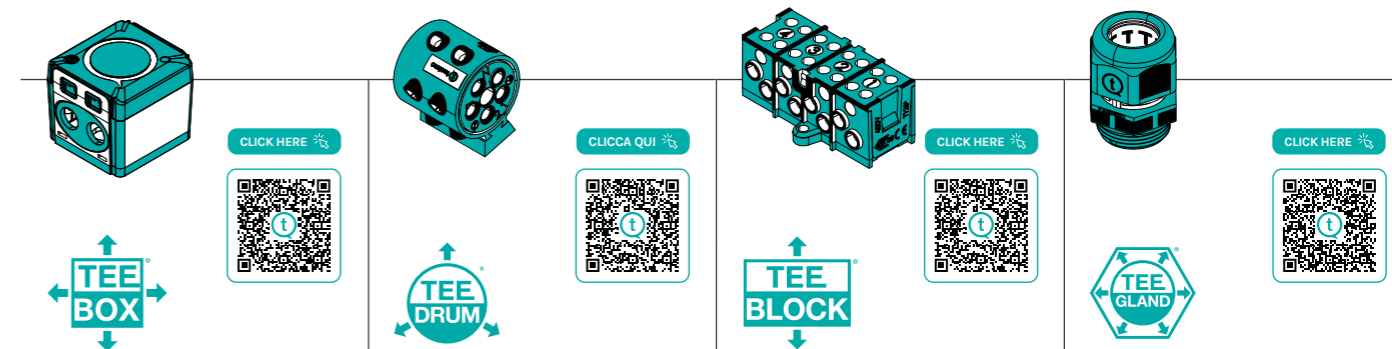
Smart IoT cable gland (IP68) (IoTH450 Series)

- + Power supply, wiring and voltage-current conversion in a single product
- + No moisture rising from the cable (anti-condensation barrier xDRY®)
- + PG9 - M16 options

What type of connector are you looking for?



PRODUCT TYPE	In-line and branch connectors	Plug and socket connectors	Plug and socket current distributors
Category	Junction with integrated terminal block	Quick plug and socket	Quick plug and socket
Application (N. of cables)	Up to 4 cables Panel mounted installation versions	Up to 2 cables Panel mounted installation versions	Up to 4 cables
Max. technical specifications	6 poles 41A, 690V AC/DC IP66/IP68 IK10 IEC compliant	8 poles 25A, 630V AC/DC IP66/IP68/IP69 IK08 IEC/UL compliant	6 poles 25A, 630V AC/DC IP66/IP68 IK07 IEC/UL compliant
Advantages	<ul style="list-style-type: none"> + Compact and circular + Quick to install + Repairs and extensions of cables without using gel and resin 	<ul style="list-style-type: none"> + Push-pull couplings + Compact for connections of power and signal + Field wiring with screw and screw-less terminations 	<ul style="list-style-type: none"> + Save time for multiple installations + Pre-configured for quick input-output + Smaller than common junction boxes
Usage examples	<ul style="list-style-type: none"> ✔ Power and signal devices ✔ Outdoor lighting appliances 	<ul style="list-style-type: none"> ✔ Power and signal devices ✔ Machinery and industrial applications ✔ Low voltage equipment 	<ul style="list-style-type: none"> ✔ Connection of machine modules ✔ Connection of devices in sequence ✔ Low voltage equipment



PRODUCT TYPE	Empty and pre-configured junction boxes	In-line circular terminal blocks	In-line and branch circular terminal blocks	Innovative high performance cable glands
Category	Connection with terminal blocks Quick plug and socket	Connection with terminal blocks	Connection with terminal blocks	Cable fixing
Application (N. of cables)	Up to 6 cables	Up to 4 cables	Up to 4 cables	Single cable
Max. technical specifications	Pre-configured with terminal blocks and accessories IP66/IP67/IP68 IK08 IEC compliant	6 poles 32A, 450V AC IP20 IEC compliant	5 poles 32A, 450V AC IP00 IEC compliant	M16-M20-M25 PG9-PG13.5-PG16 IP68 IEC compliant
Advantages	<ul style="list-style-type: none"> + Can install Techno products + Built-in cable glands + Smaller than common junction boxes 	<ul style="list-style-type: none"> + More compact than common terminal blocks + Circular cross-section for integration into corrugated tube and other installation products + Double connection terminal blocks (looping) 	<ul style="list-style-type: none"> + More compact than common terminal blocks + Double connection terminal blocks (looping) 	<ul style="list-style-type: none"> + Twin-injected plastic and rubber seals + OR-free for panel installation + Quick and simple to assembly
Usage examples	<ul style="list-style-type: none"> ✔ Low voltage equipment ✔ Connection of appliances and sensors integration ✔ PCB and electric components protection from dust and water 	<ul style="list-style-type: none"> ✔ Power and signal devices ✔ Low voltage equipment ✔ Installation in junction boxes 	<ul style="list-style-type: none"> ✔ Power and signal devices ✔ Low voltage equipment ✔ Installation in junction boxes 	<ul style="list-style-type: none"> ✔ Power and signal devices ✔ Machinery ✔ Low voltage equipment

HAVEN'T YOU FOUND THE SOLUTION YET?

Test and learn more about our Team

A multidisciplinary team involving Research and Development, Production, Quality and the Techno Innovation Lab identifies cutting-edge solutions with raw materials, production processes and customised products.

NEW



INNOVATION TEAM

[CLICK HERE](#)




INNOVATION LAB

Customised products and services with product design, Additive Manufacturing and series production fully integrated.

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IoTH
INNOVATION • READY

Integration of electronic components and IoT devices.

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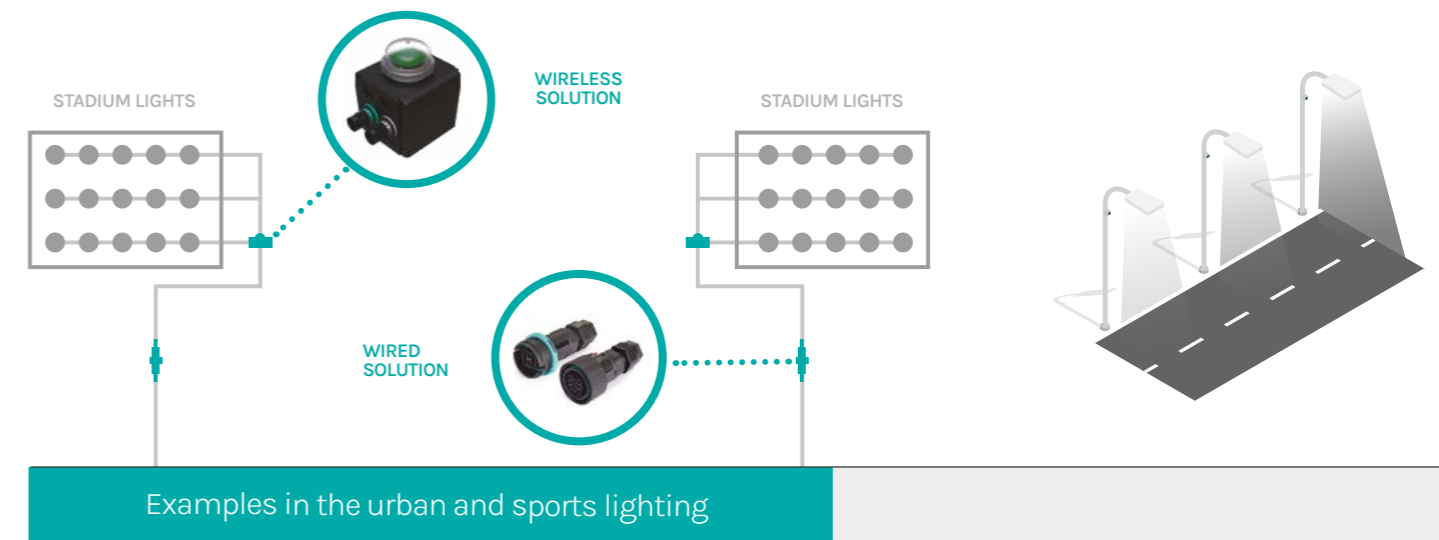
Cable and connector assemblies. Integration of electromechanical components.

IoTH[®] is speed, reliability and convenience for IoT projects



Why IoTH[®] = IoT + Techno (TH)

Techno is able to offer **interoperability solutions capable of managing and connecting analog and/or digital devices** in indoor and outdoor applications. Through the IoTH[®] platform it is possible to create and adapt any smart project by flexibly choosing the features you wish to integrate to meet customer needs thanks to advanced connection **solutions for the control of electronic devices including drivers, sensors and controllers.**

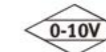
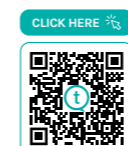


What we offer

1. Professional connecting solutions for IoT devices
2. Expertise for the “turnkey” development of mechatronic products
3. Unique supplier (solution provider) specialised in IP6x electrical connections, installation systems, electronics and cable



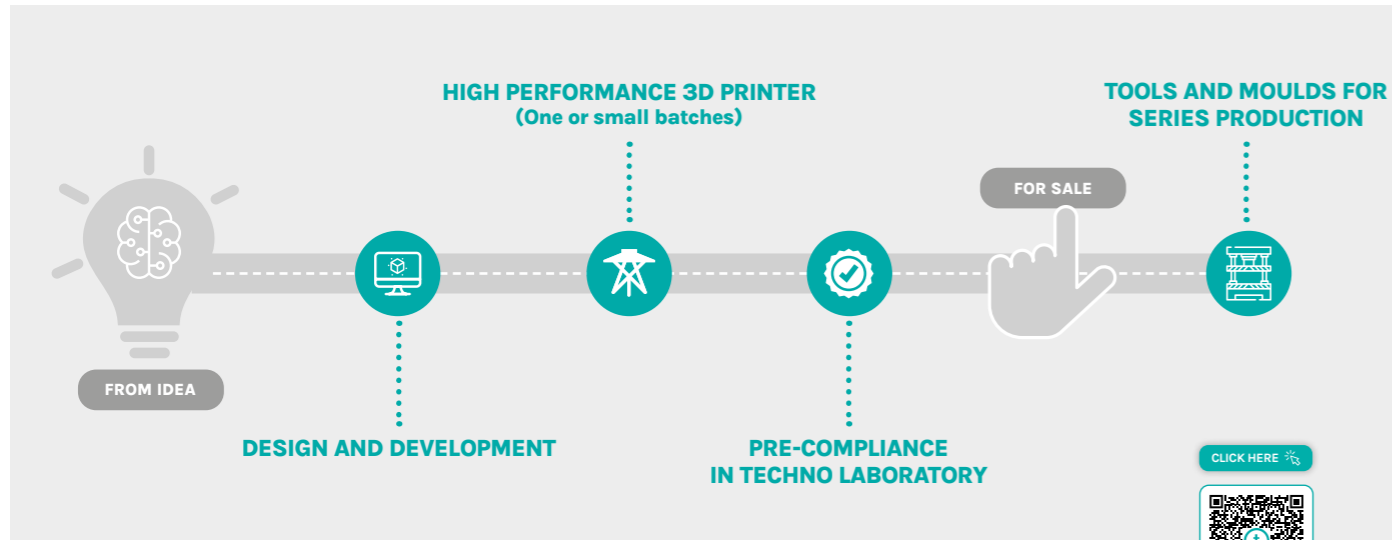
Our goal is to create synergy by integrating specialised technical skills and enhance Made in Italy to offer efficient solutions, capable of responding to the technological requirements necessary for the correct functioning of the IoT ecosystem.



Test and install your idea in the shortest possible time and at low cost!



We offer competence and responsiveness to manage the entire customised project



3D printing for end-use parts

Would you like a high-quality, cost-effective customised solution, ready to be introduced to the market quickly? With Techno it is possible even for just one piece.

Innovative P3™ DLP (Digital Light Processing) 3D printer

- + 100x + faster than standard technologies
- + Materials with high mechanical, thermal and chemical resistance
- + Precision, surface finish and tolerances similar to series production technology (e.g. plastic injection moulding)

YOUR ADVANTAGES WITH TECHNO INNOVATION LAB

- Speed
- Repeatability
- Quality
- Flexibility

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JOIN US **techno.it**

Discover our services and connecting solutions.



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