



COMPANY
PRESENTATION

2023 v1

TODAY TOMORROW AND FOREVER



WHO WE ARE

TTAF, with its 6 group companies and 300 employees, serves its customers with superior technology, high brand quality, and a dynamic human source.

TTAF was established in 2003 in Istanbul. TTAF's aim is to improve standards of living, let by technological discoveries that shape modern life.

It operates at six main sectors including; Consumer, Fiber Optic, Lighting, Medical, Design and Energy Technologies. TTAF continues its activities to work to become a global technology player in the fields of expertise.



+90 212 855 82 20(PBX)

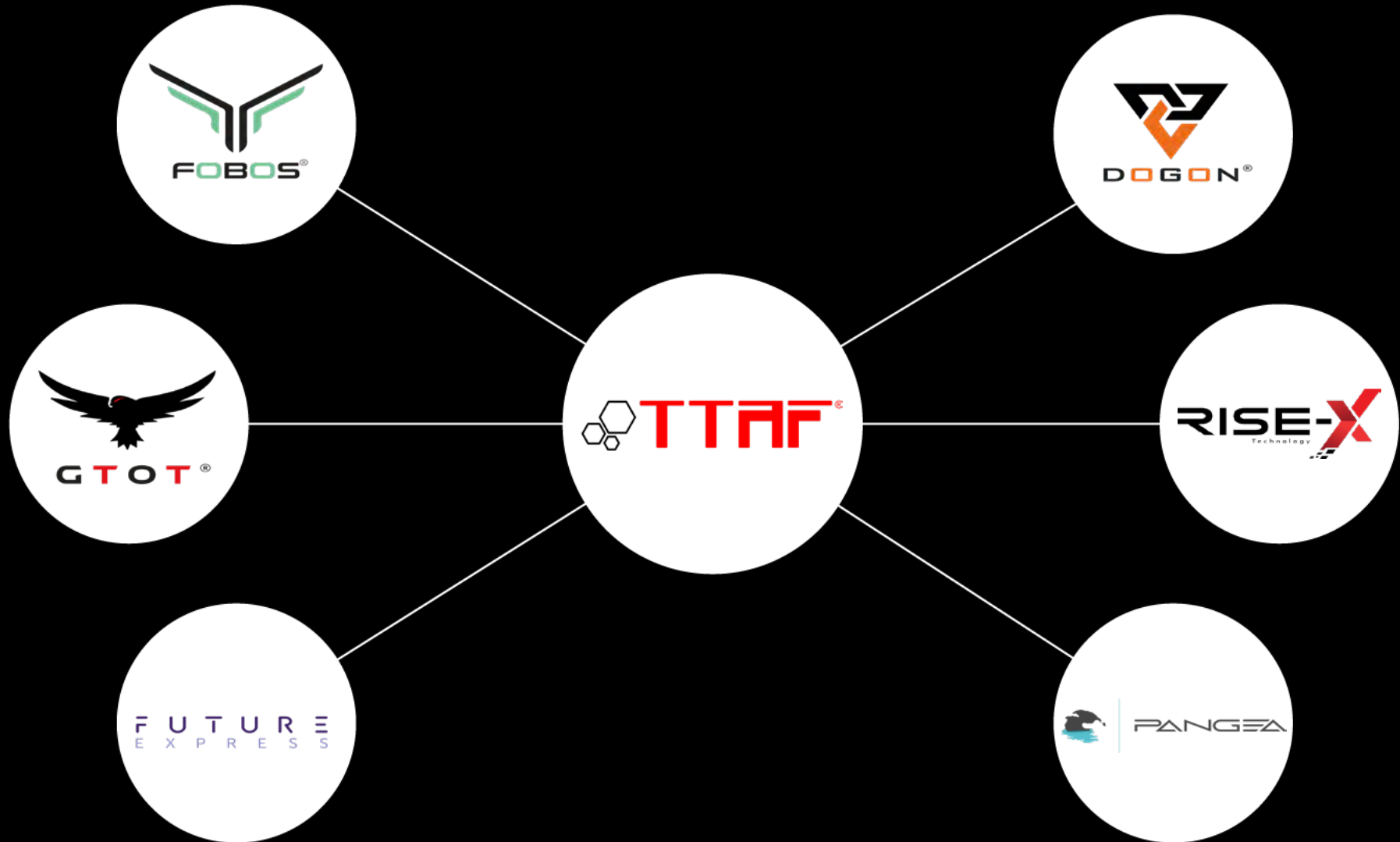


info@ttaf.com.tr

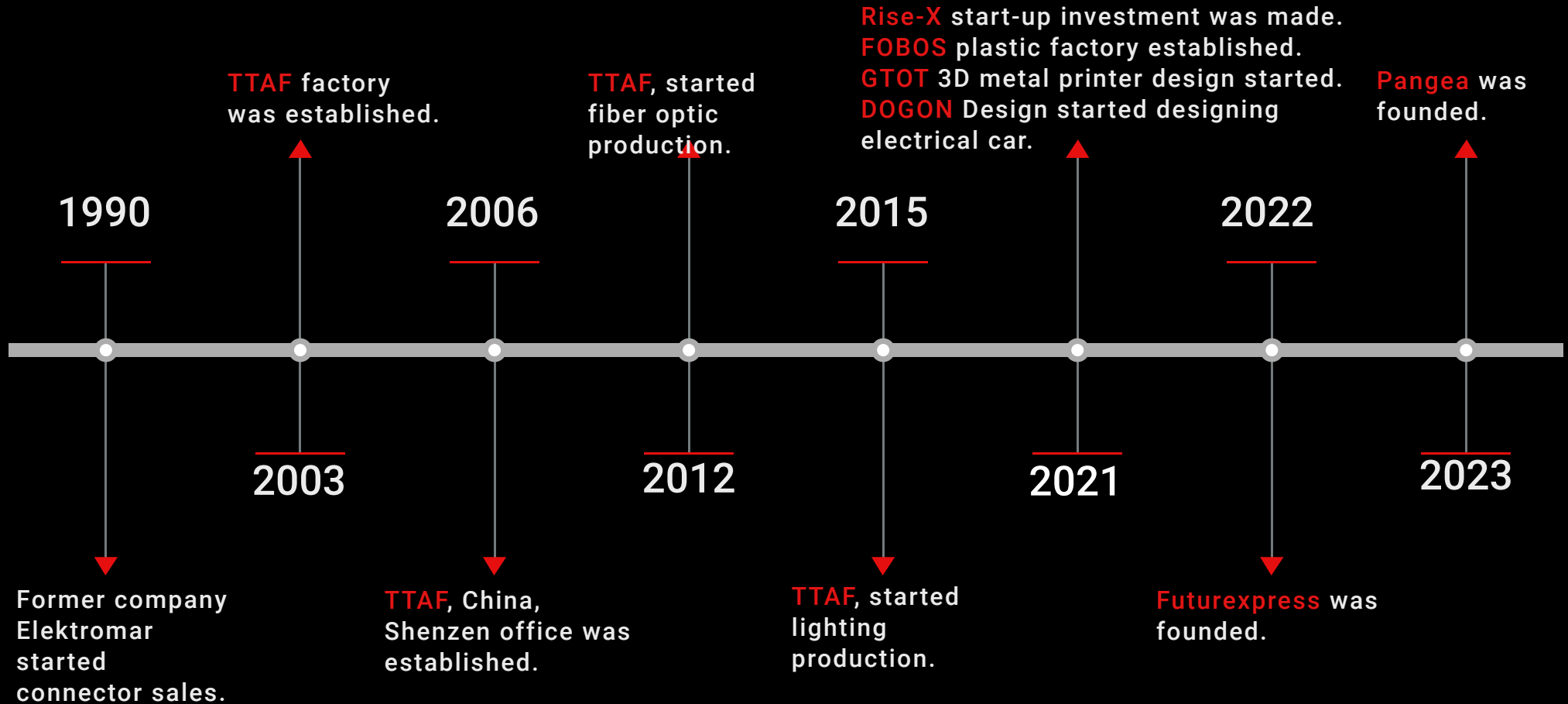


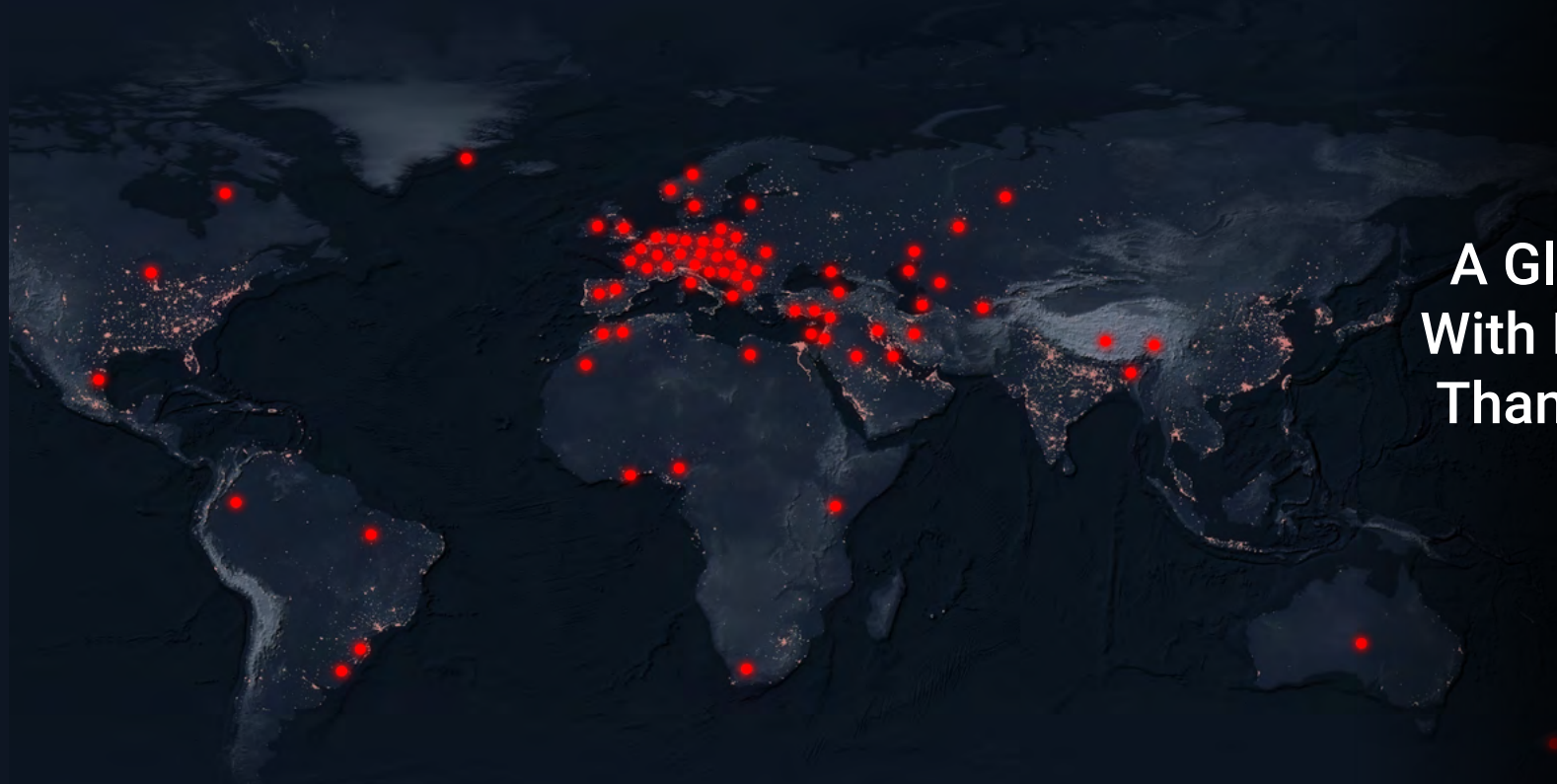
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GROUP COMPANIES



OUR HISTORY TIMELINE





**A Global Company
With Export To More
Than 70 Countries.**

PRODUCT GROUPS

Cable Assemblies



Box Builds



Network Solutions



Waterproof Interconnect Solutions



Overmolded Cables



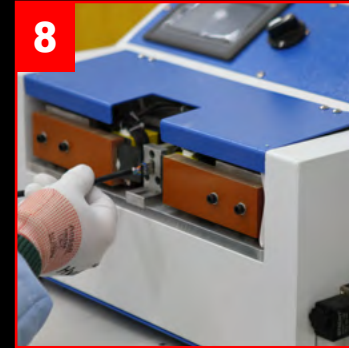
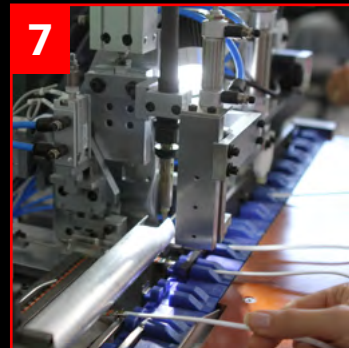
Lighting Solutions



Medical

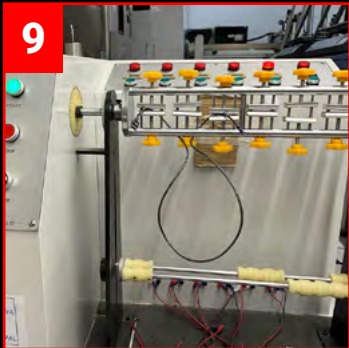
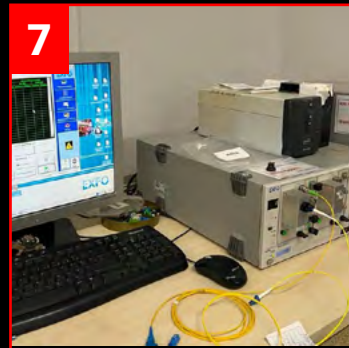
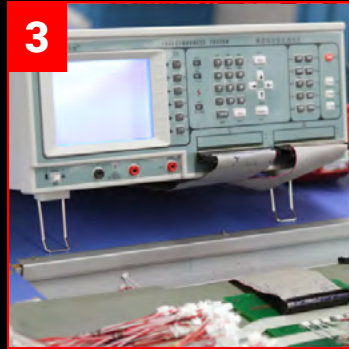


PRODUCTION CAPABILITIES



- 1-) Automatic Cable Cutting Terminal Crimping
- 2-) Outer Sheath Stripping
- 3-) RJ45 Model Plug's Terminal Inserting Machine
- 4-) Sealed Terminal Crimping
- 5-) Ultrasonic Welding
- 6-) Laser Shield Cleaning
- 7-) Usb 2.0 Automatic Soldering
- 8-) Usb 3.0 Automatic Soldering
- 9-) Laser Cutting
- 10-) Automatic Cable Winding
- 11-) T PCB Soldering
- 12-) R45 Connector Crimping

TEST CAPABILITIES



- 1-) Pressure Test Tank (EN 60529 IP Test)
- 2-) Humidity And Temperature Test
- 3-) Electrical Test
- 4-) Water Spray Test (EN 60529 IP TEST)
- 5-) Sand And Dust Test (EN 60529 IP TEST)
- 6-) Push And Pull Test
- 7-) Fiber Optic Digital Test
- 8-) UV Test Cabinet
- 9-) Cable Bending Test
- 10-) Terminal Crimping And Measuring Test
- 11-) Visual Measurement System
- 12-) Terminal Pull Test



QUALITY STANDARDS

Our company is certified according to;
ISO 9001:2015 Quality,
ISO 14001:2015 Environment,
ISO 45001:2018 Occupational Health and
Safety Management Systems Standarts.

INDUSTRIAL CONSUMER

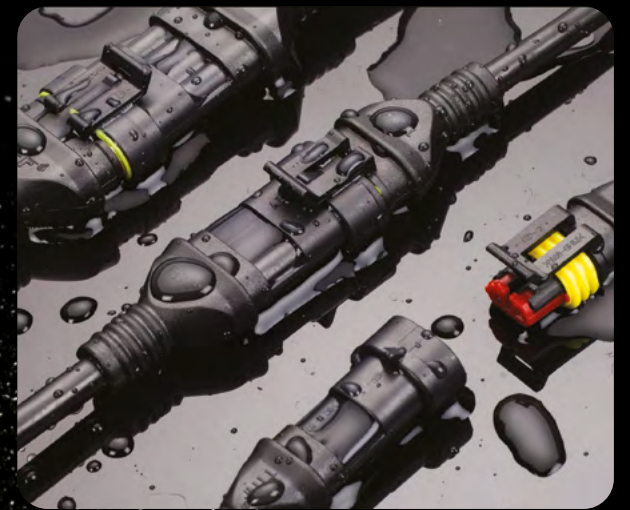
Industrial department works on mechanical parts, cable assemblies and final assemblies according to the customer needs.



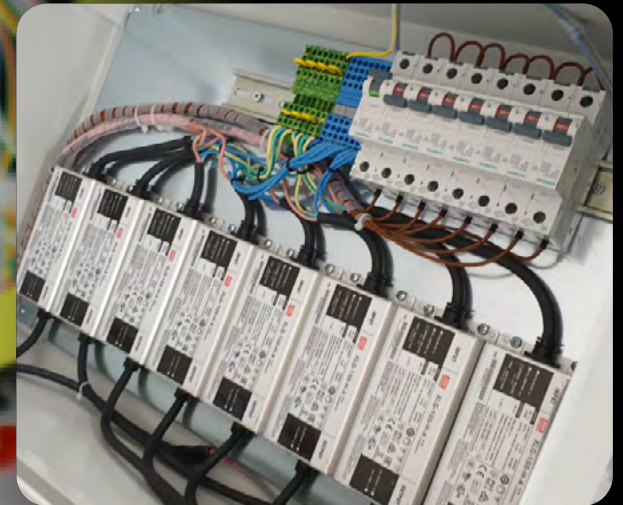
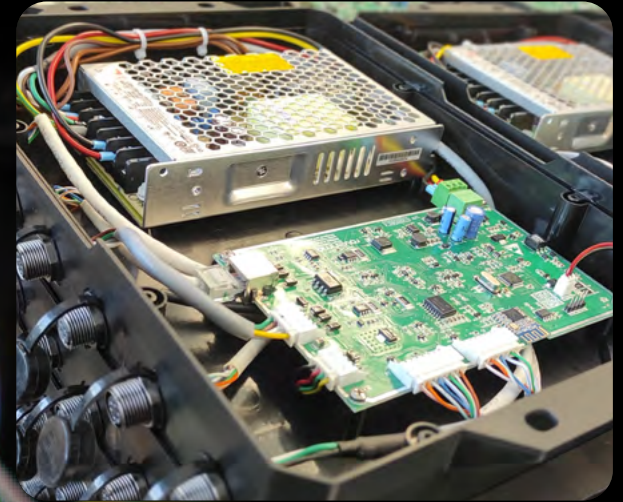
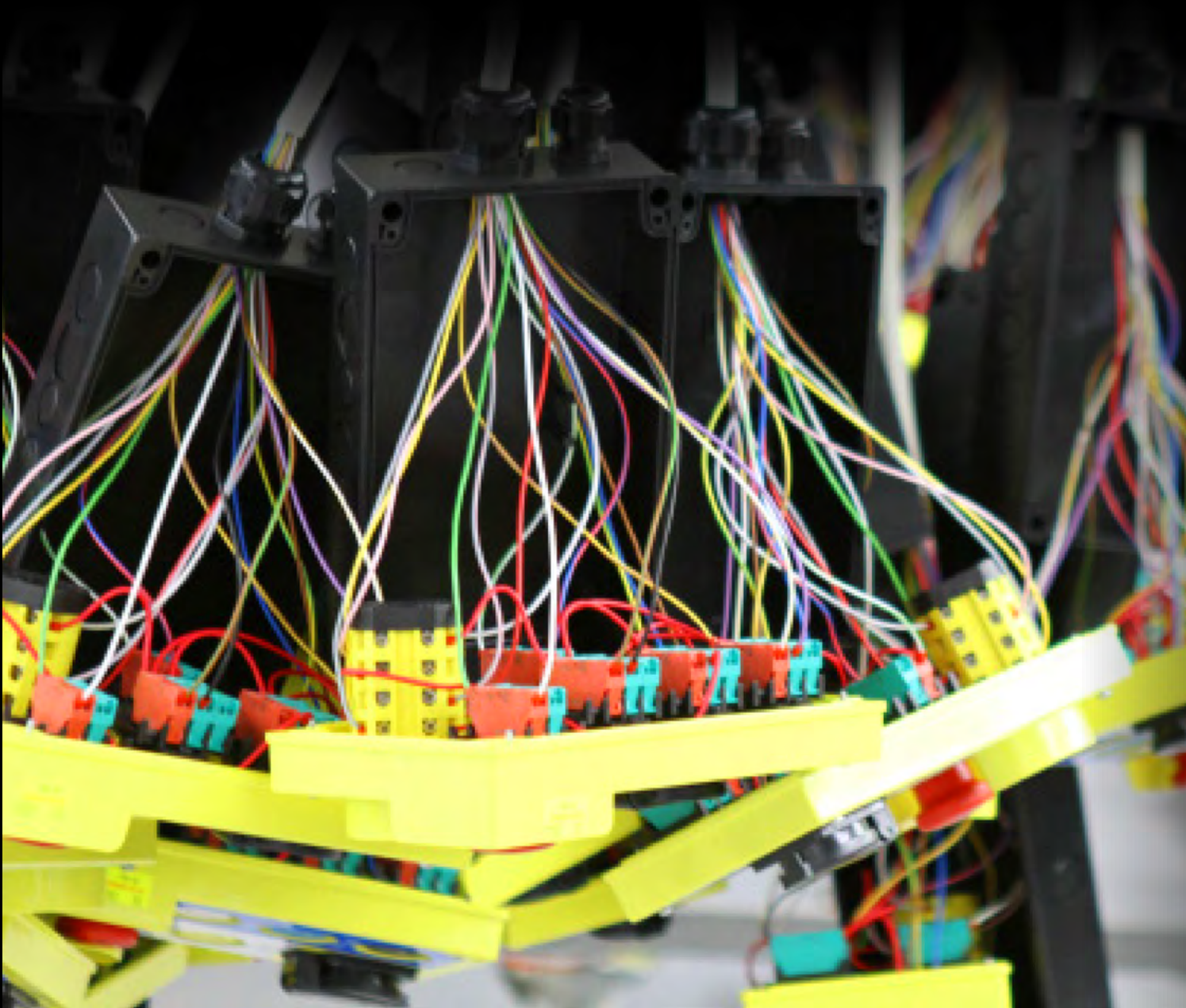
CABLE ASSEMBLIES



OVERMOLDED CABLE ASSEMBLIES



BOX BUILD



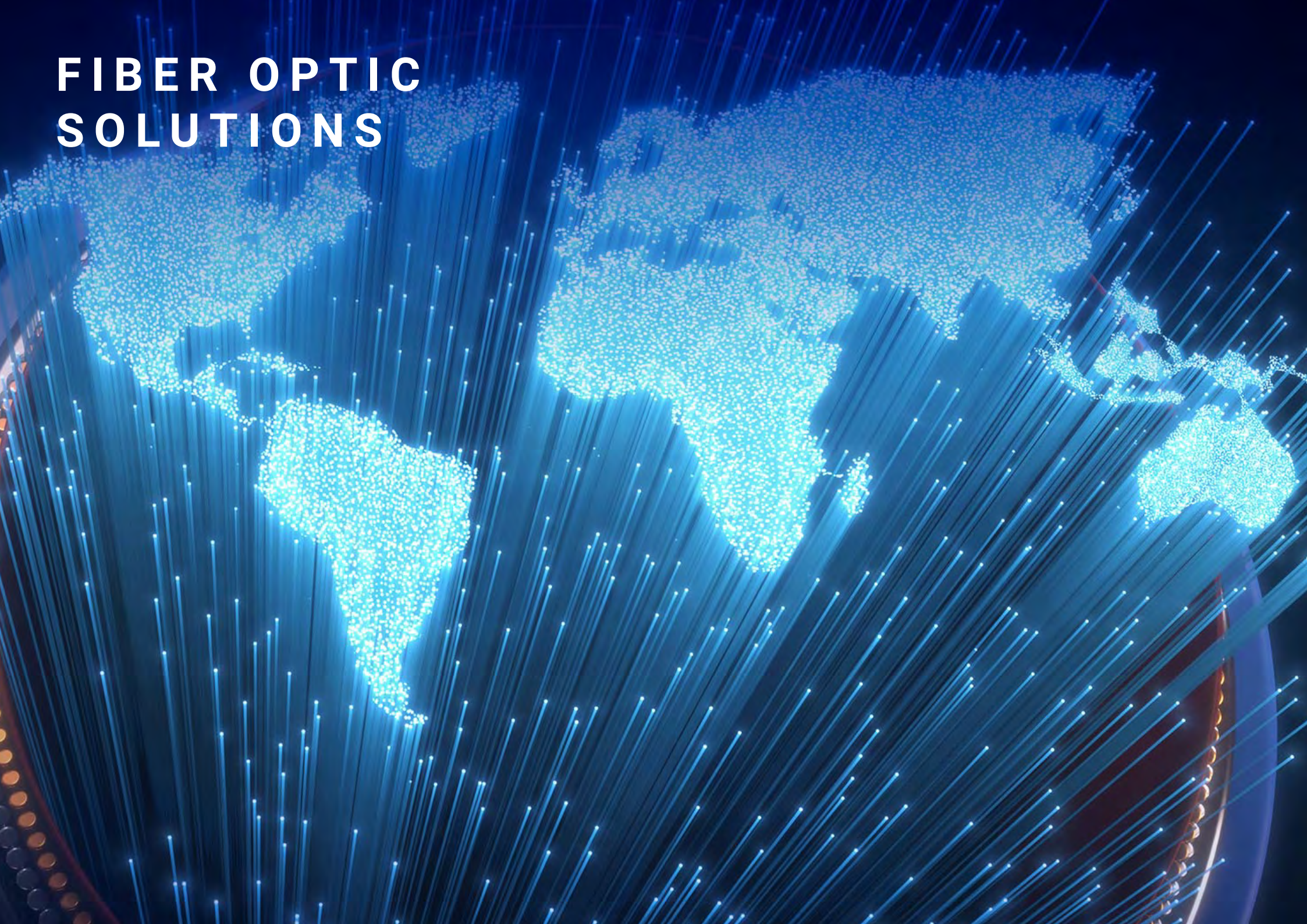
WATERPROOF CONNECTORS & SPLITTERS



DATA, AUDIO AND SIGNAL CABLE ASSEMBLIES



FIBER OPTIC SOLUTIONS



DOME TYPE FIBER OPTIC SPLICE ENCLOSURE AND OPTIC DISTRIBUTION BOX

Provides high resistance to uv radiation based on customer requirements. It can be installed on aerial, in manholes, ducts and mounted on poles.

Splice capacity of

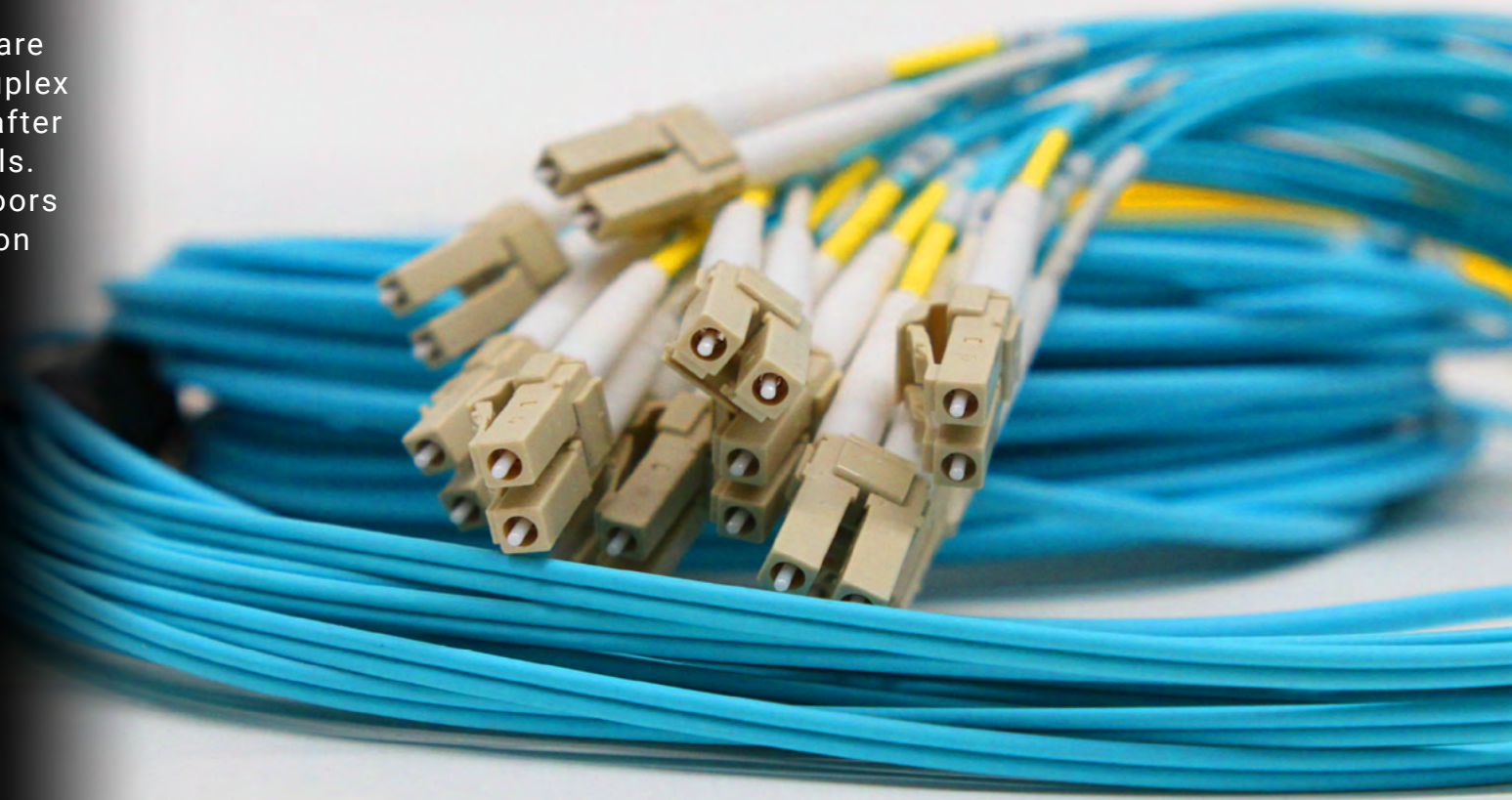
- 96 Cores with 4 Trays,
- 144 Cores with 6 Trays,
- 288 Cores with 12 Trays.

Solution for all FTTx applications. Indoor and Outdoor can be used. Distribution capacity to 16 and 32 Ports



FIBER OPTIC PATCH CORDS

New generation telecom connectors are used at production of simplex and duplex patch cords. Each product is tested after polishing and packed with value labels. TTAF FO Patch Cord is produced indoors and outdoors or armored depending on the area to be used.



COPPER PATCH CORDS

TTAF offers a wide range of networks with all end-to-end accessories from CAT5e to CAT7a



Name	Frequency	Ethernet Signal Supported	Connector
Cat5e	1-100 MHz	10-100 Base T-Gbit	8p8c,RJ45
Cat6	1-250 MHz	10-100 Base T-Gbit	8p8c,RJ45
Cat6a	1-600 MHz	10-100 Base T-10Gbit	8p8c,RJ45
Cat7	1-1000 MHz	10-100 Base T-100Gbit	8p8c,RJ45



INDUSTRIAL PATCH CORDS

It is resistant to cutting fluids, oils, and other harsh chemicals due to its outer sheath being made of thermoplastic material. It is highly flexible with a small bending diameter. These products are preferred in robotic applications and the automotive industry according to their durability.





LIGHTING SOLUTIONS

We customize, develop and produce in the area of lighting with our optical, mechanical and electronic design experts.

Our range of products are; Projectors, Street Lighting, Long Distance Lighting, Military Lighting, Garden Lighting. Before the production process, we expose all our products to electrical and harsh climatic conditions in TTAF laboratories.

TTAF Lighting believes in the importance of innovation and R&D for sustainable success in many sectors where lighting technologies are involved.

It has a multi-disciplinary structure that closely follows the trends, and reflects to its products within the framework of international standards.



STREET LIGHTING SYSTEMS

- With its unique concept, products are designed for, lighting of areas such as avenues, streets, parks and gardens.
- Modular structure provides easy installation opportunity.
- Different power and lens options exists according to the area that needs to be illuminated.



TODAY, TOMORROW AND FOREVER.

LONG RANGE PROJECTORS

- Our long range floodlights are designed to illuminate border surveillance, coast guard, search and rescue, prisons and other long range areas.
- Adapts to harsh environmental conditions with special LED and lens options.



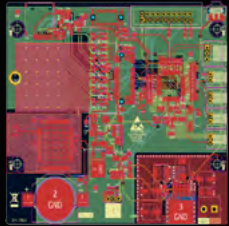
RISE-X

Technology



RISE-X

Rise X Technology has dynamic and competent engineer staff, it offers turnkey electronic solutions with high added value in the field of electronic technologies. Rise X Technology, which has Electronic Hardware Design, Embedded Software Development, Electronic Prototype Production, Mobile Application Development capabilities. Rise X Technology develops products in IoT, Industrial, Automotive, Micromobility, Communication Solutions, Smart Urbanism.



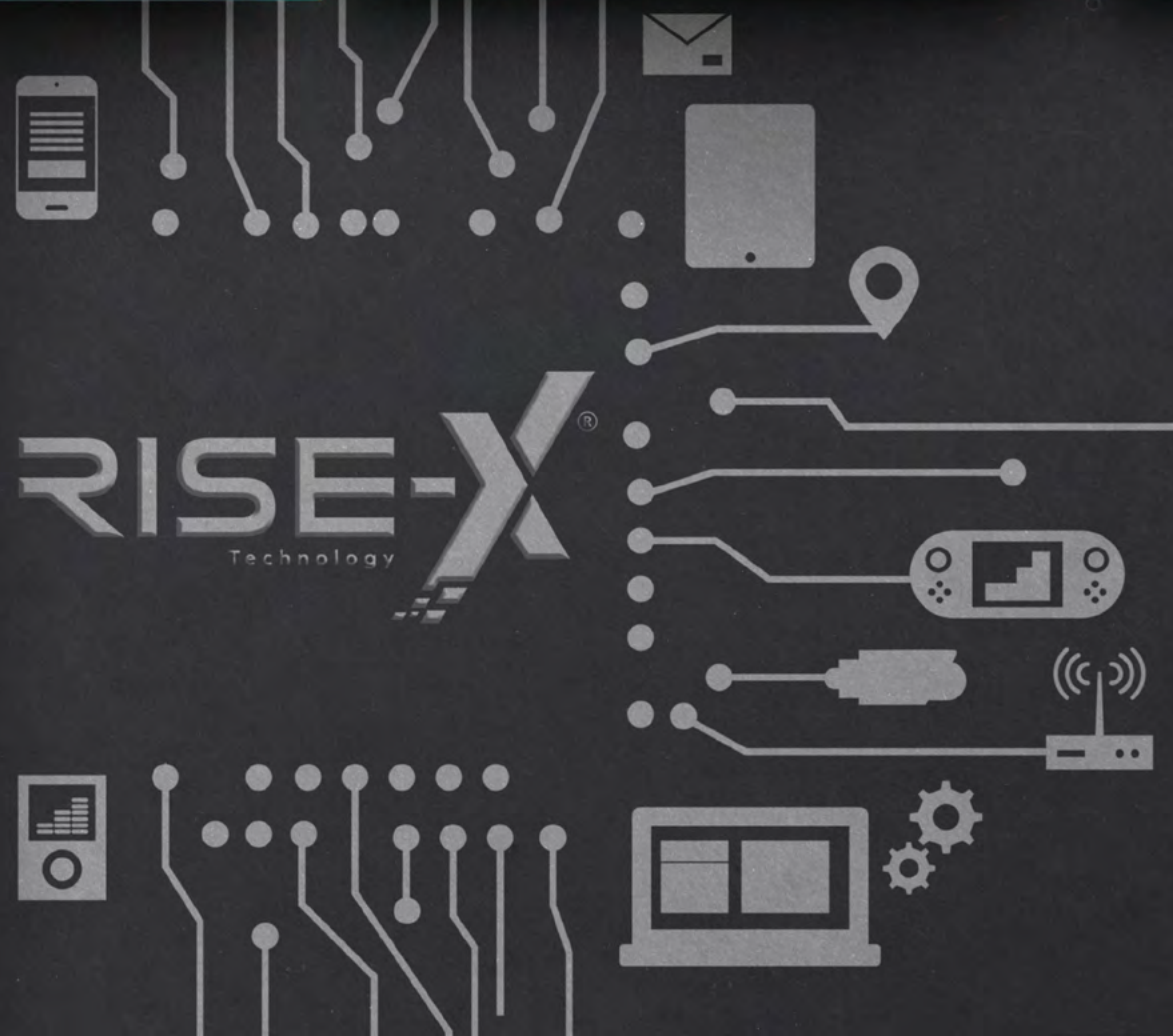
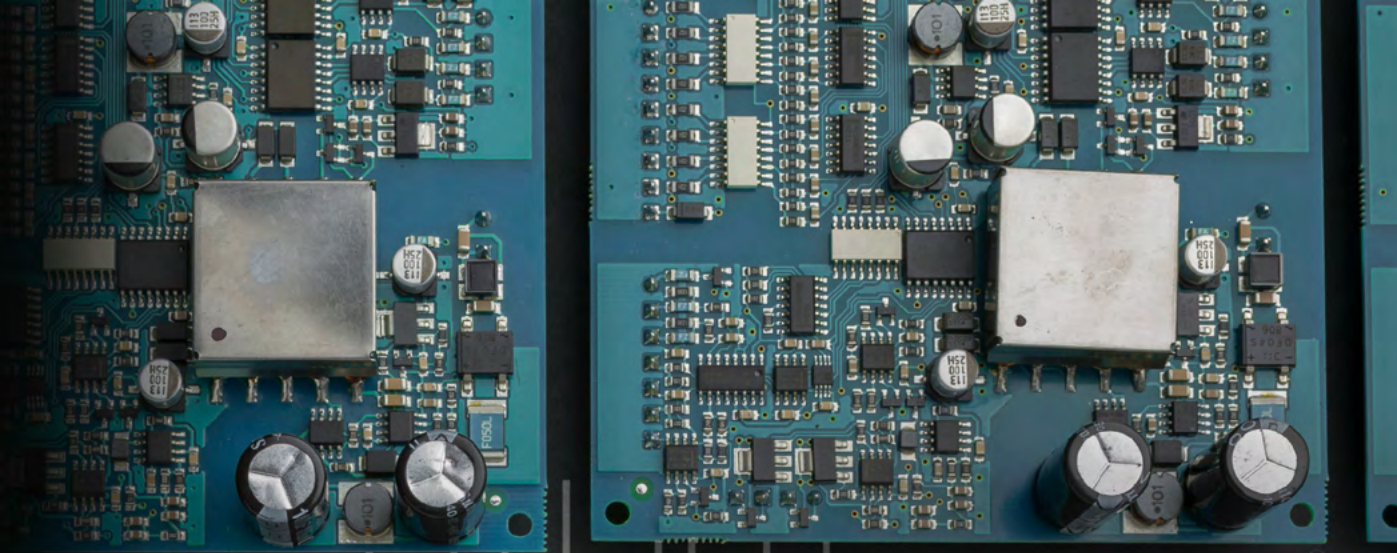
Design



Confirmation

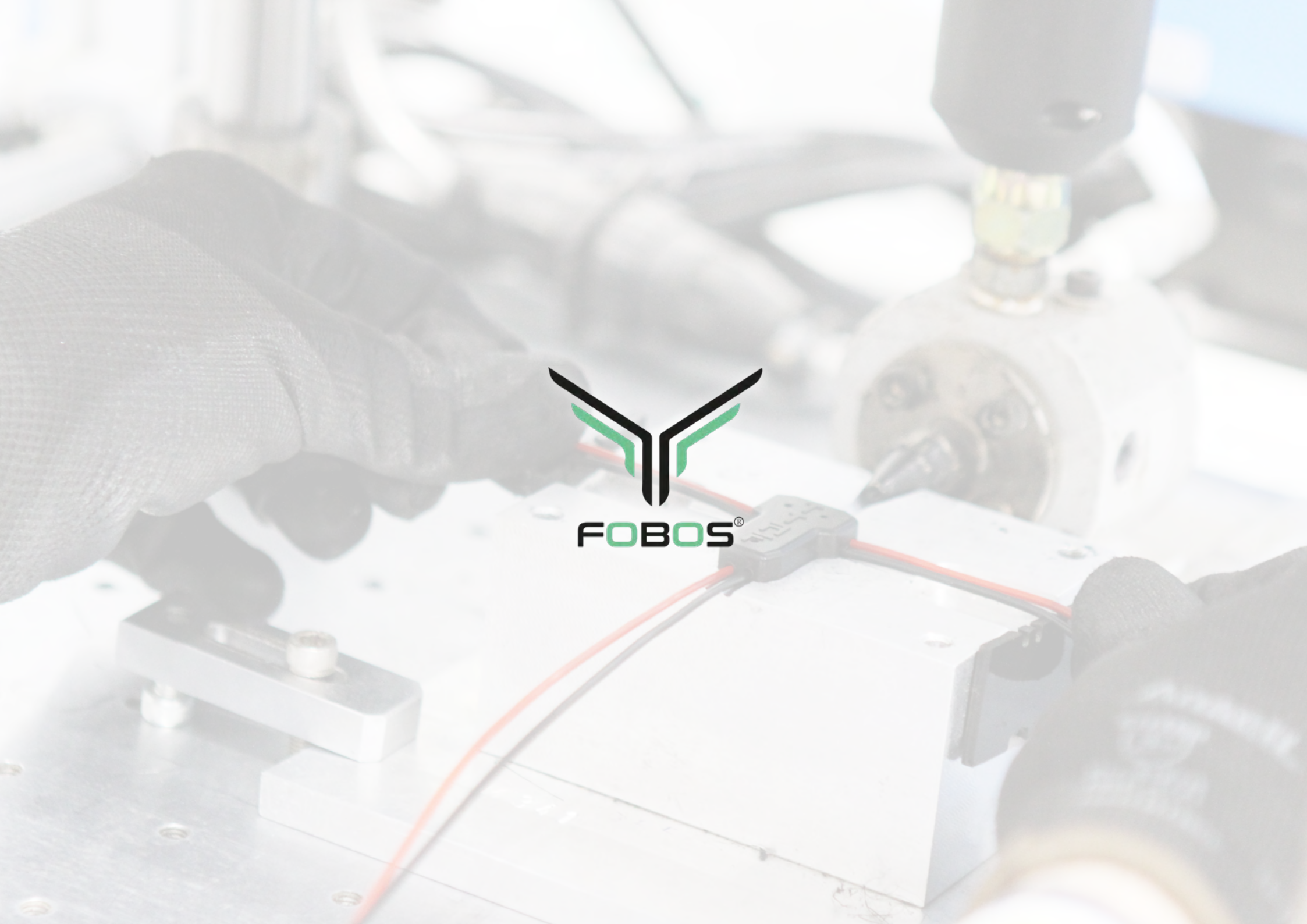


Prototyping





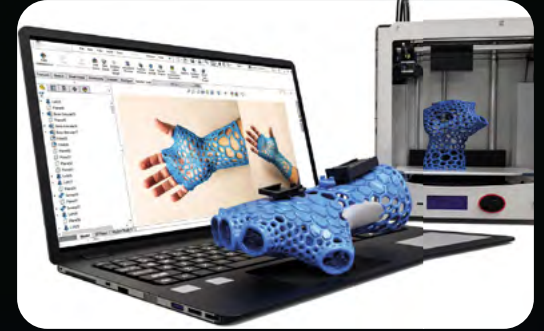
FOBOS®



FOBOS PLASTIC

It provides added value and is positioned as a solution partner to increase the potential of products, molds or designs of manufacturers in the processes of development, implementation and production.

- Injection Production
 - Low Pressure
 - Horizontal Injection
 - Vertical Injection
- Prototyping
 - CNC
 - 3D Printer
- Mold Design
- Product Design
- Mold Production
- Product Installation





DOGON®

DOGON DİZAYN

Dogon Design's areas of expertise are; mold designs of existing products of manufacturers, mold design development, implementation and producing.

- Clay Modelling
- Functional Mock-up
- Functional Prototype
- Restoration
- Single Components Develop



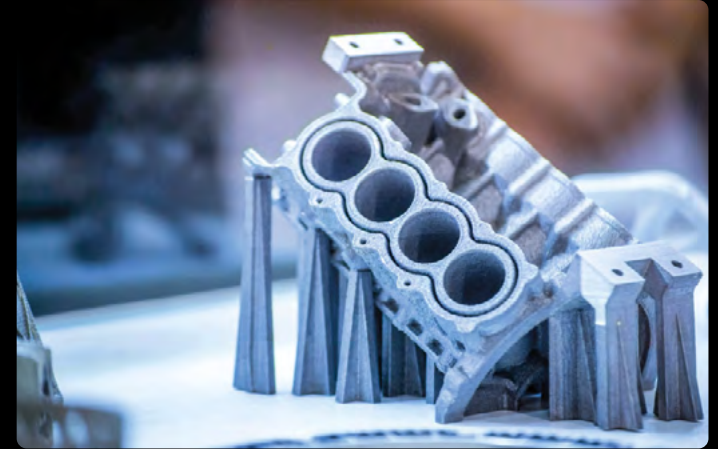


GTOT®

GTOT

Production of 3D parts by melting metal powders with powder bed laser. With production techniques such as precision casting and forging, complex metal parts can be produced. In general, the type of production is for aerospace, defense industry, medical industries.

The system melts metal powder parts as three-dimensional parts in layers with the help of high power laser. Layer thicknesses can vary between 20 or 150 microns depending on the installed system power.





FUTURE
EXPRESS

FUTUREXPRESS

Futurexpress accelerates projects and incorporation processes by investing to help entrepreneurs turn their ideas into reality. It respects the creativity and innovation of entrepreneurs and uses its resources and expertise to maximize their potential. Thus, it contributes to the emergence of successful companies of the future. Futurexpress also makes it easier for entrepreneurs to achieve success by providing services customized to the needs of entrepreneurs.

APPEAL



RATING

ANALYSIS

BEGINNING

INFORMATION



PANGEA



PANGEA


Pangea builds bridges between customers and investors by collaborating with international customers and investors. Pangea offers opportunities with the consultancy and investment services it provides. Pangea also provides strategic support to customers to gain competitive advantage in international markets.

TODAY, TOMORROW
AND
FOREVER...

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