



GIANNOULIS
HOLDING

SERVICES & CAPABILITIES



Engineering infrastructure. Empowering progress.



GIANNOULIS
HOLDING

OUR GROUP OF COMPANIES

Giannoulis Holding GmbH is the strategic backbone of a growing group of companies focused on delivering advanced infrastructure solutions. Each company operates independently yet collaboratively within the holding, creating a synergistic ecosystem that spans consulting, planning, execution, and innovation.

LGELEKTROTECHNIK

Specialized in high- and low-voltage electrical systems for commercial, industrial, and institutional buildings.

CEO and Founder Ioannis Giannoulis

LG

PROJEKT GMBH

A project execution firm active in Baden-Württemberg, managing large-scale construction assignments—including contracts with major global suppliers.

CEO and Founder Ioannis Giannoulis
CEO Vasileios Enidis

LGAUTOMATION

Focused on smart building technologies and digital automation, enabling intelligent infrastructure across the group.

CEO and Founder Ioannis Giannoulis
CEO Enzo Illgen

MEET OUR FOUNDER



IOANNIS GIANNOULIS

Ioannis Giannoulis is a visionary entrepreneur and the founder of Giannoulis Holding GmbH. Raised in Munich, he embarked on his engineering career after obtaining qualifications as an electrical technician and in electrical engineering in 2000. At the age of 26, he co-founded his first electrical installation company in 2007, quickly securing significant contracts with major clients, which laid the groundwork for future growth.

As the sole shareholder and managing director of Giannoulis Holding GmbH, established in 2022, Ioannis has successfully expanded the group's portfolio to encompass multiple subsidiaries specializing in advanced infrastructure solutions, including LG Elektrotechnik GmbH, LG Projekt GmbH, and LG Automation UG. His strategic insight and commitment to innovation have propelled the company into a prominent position within the engineering sector, overseeing large-scale projects for industry leaders such as Bosch, Biontech, and Union Investment.

Driven by a strong commitment to sustainability and societal progress, Ioannis envisions expanding Giannoulis Holding GmbH's footprint on a global scale. His mission is to leverage integrated engineering and digital innovation to develop intelligent infrastructure solutions that meet the evolving needs of communities worldwide. With a focus on collaboration and excellence, Ioannis aspires to redefine the infrastructure landscape, ensuring that each project achieves not only technical brilliance but also resonates with human and environmental values.

Through his leadership, Ioannis Giannoulis continues to foster a culture of creativity and progress, paving the way for Giannoulis Holding GmbH to become a leader in shaping a sustainable and technologically advanced future for infrastructure on a global scale.



OUR END-TO-END SERVICE OFFERING

Every project requires the right implementation model. At Giannoulis Holdings, our five-phase service framework ensures total lifecycle support—from initial consulting and digital planning to logistics, on-site supervision, and final execution. This structured process allows us to deliver technical infrastructure solutions that are reliable, fast, and cost-effective—tailored to the specific needs of each client and aligned with today’s demands for smart, sustainable, and future-ready construction.



PHASE 1: REMOTE CONSULTING

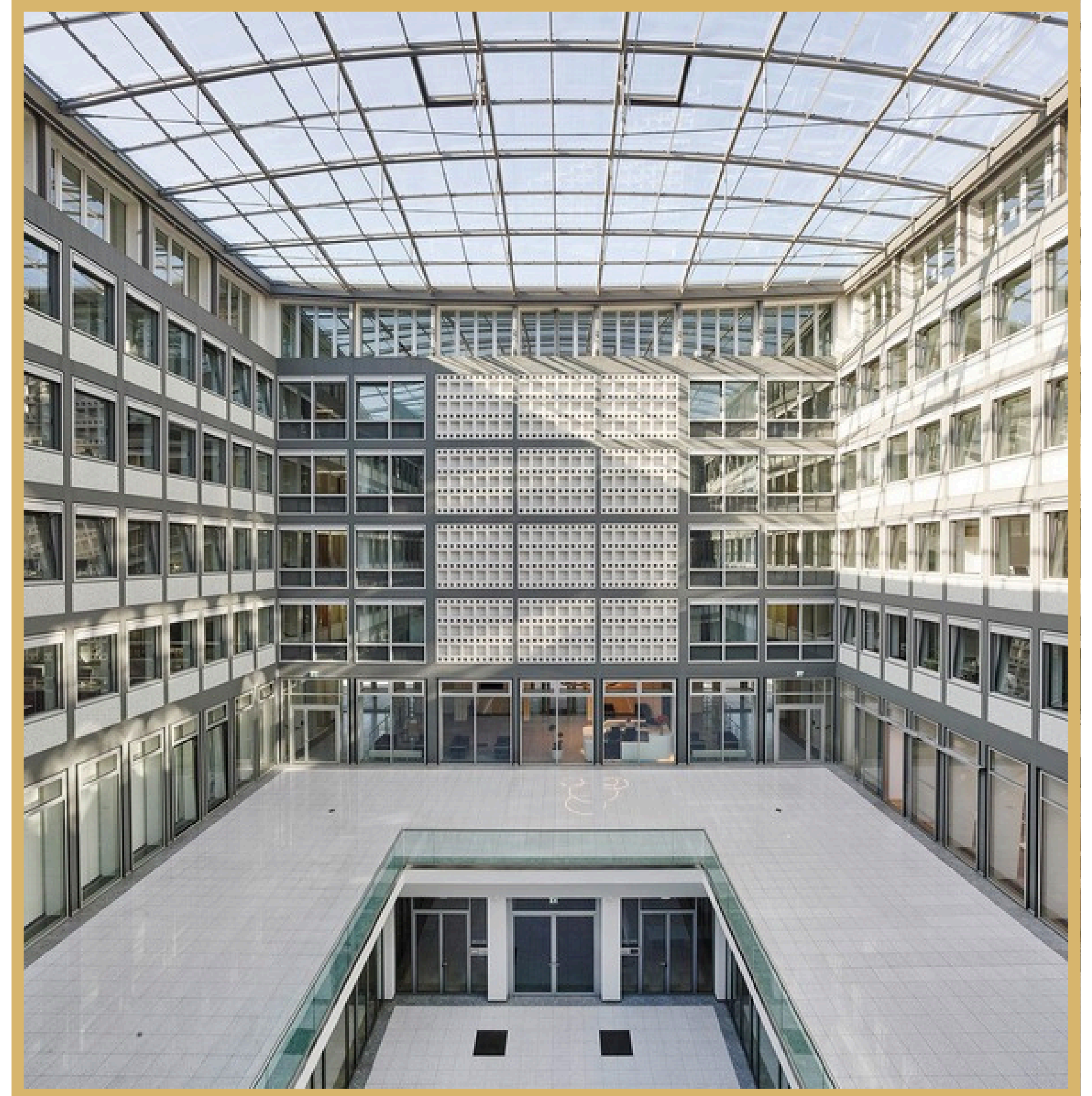
- 1 Planning and Installation:**
Consultation on the planning and installation of electrical systems for new buildings, renovations, or refurbishments.
- 2 Energy Efficiency:**
Advice on measures to save energy, e.g., in lighting, heating, or drive technology.
- 3 Renewable Energies:**
Consulting on renewable energy systems like solar or wind power.
- 4 Safety Consultation:**
Advice on compliance with safety regulations and standards.

PHASE 2: REMOTE PLANNING

In our field of electrical building systems, we cover the entire spectrum of planning. This includes high-voltage and lighting technology as well as low-voltage and communication systems. Our services in consulting, planning, and construction supervision encompass all relevant project phases.

We use **Building Information Modeling (BIM)** in technical building services (TGA) to ensure efficient, transparent, and well-coordinated project execution. Upon request, we also offer BIM planning in the architectural field. Basic evaluation, preliminary planning, design planning, and approval planning.

Detailed execution planning, preparation of the awarding process, and participation in the awarding phase





PHASE 2: REMOTE PLANNING

- 1 Basic Design**
Preliminary investigations and the development of the basic concept
- 2 Preliminary Planning**
Initial planning and conceptual design of the project
- 3 Design Planning**
Detailed design and planning of the project, including the development of detailed plans and specifications
- 4 Approval Planning**
All steps necessary to obtain the necessary permits for the project
- 5 Implementation Planning**
Development of detailed execution plans and specifications for the project
- 6 Preparation of the Award of Contract**
Preparation of the tender documents and the determination of the project budget
- 7 Participation in the Award of Contract**
Participation in the bid evaluation process

PHASE 3: LOGISTICS



As a specialist company for electrical installations, we offer our clients a comprehensive service – from planning and execution to the supply of high-quality electrical materials, both nationally and internationally.

Our Integrated Logistics Approach:

- ✔ One Partner for Installation & Materials
- ✔ We coordinate both the professional execution of electrical work and the procurement and delivery of matching materials – reliably from a single source.
- ✔ Quality Materials from Germany
- ✔ We work exclusively with established manufacturers and supply certified products – ideal for residential and commercial projects with high quality standards.
- ✔ Jobsite Deliveries – Domestic & International
- ✔ We ensure on-time delivery of all materials directly to your construction site – within Germany and abroad.
- ✔ International Shipping & Export Handling
- ✔ Export packaging, documentation, freight organization (air/sea/land), and support with customs requirements – all included.
- ✔ Additional Services on Request
- ✔ We offer technical documentation in multiple languages and assist in coordinating with local project partners where needed.

PHASE 4: CONSTRUCTION SUPERVISION

Object supervision and on-site project management:

During object supervision, the construction work is continuously monitored and overseen on-site to ensure that all tasks are carried out according to the planned specifications, quality standards, and safety regulations. The on-site management includes coordinating various trades, verifying that the work complies with technical specifications, and documenting the construction progress.

Modern digital technologies are employed to ensure precise and comprehensive construction documentation. These technologies allow for the digital capture, storage, and management of photos, videos, measurement data, and reports. This creates a seamless documentation trail that is useful for later evaluations, maintenance, or potential inspections





PHASE 5: EXECUTION

FINAL SYSTEM INSTALLATION

GEOGRAPHIC SCOPE: EU & ARABIA

The execution of electrical services in building technology involves a wide range of activities aimed at installing and operating electrical systems in buildings safely, efficiently, and in compliance with standards.

In the European region, electrical work is heavily influenced by European norms and standards, such as the DIN VDE standards, which ensure the safety and quality of installations. These tasks include planning, installation, commissioning, and maintenance of electrical systems, including power supply, lighting, security and fire alarm systems, as well as building management systems.

In Europe, particular emphasis is placed on energy efficiency, sustainability, and environmental friendliness. Electrical services are often carried out using the latest technologies, such as smart home systems, renewable energy sources, and energy-efficient components.



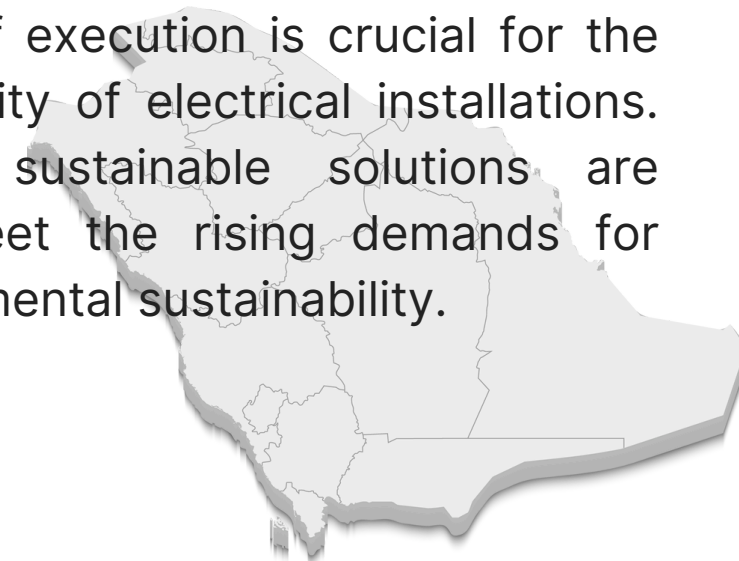
PHASE 5: EXECUTION

FINAL SYSTEM INSTALLATION

GEOGRAPHIC SCOPE: EU & ARABIA

In the Arab region, especially in countries like Saudi Arabia, the United Arab Emirates, and Qatar, electrical engineering is also a vital part of building technology. Here, climatic conditions play a significant role, requiring electrical infrastructure to be robust and resistant to high temperatures and dust. The standards and regulations are often aligned with international guidelines, while also considering local requirements. The electrical services in this region include the installation of power systems, lighting, security systems, and building management, often focusing on durable and low-maintenance solutions.

In both regions, the quality of execution is crucial for the safety, efficiency, and longevity of electrical installations. Modern technologies and sustainable solutions are increasingly important to meet the rising demands for energy efficiency and environmental sustainability.





LG

PROJEKT GMBH

- CONSULTING
- PLANNING
- CONSTRUCTION MONITORING
- EXECUTION

BIM (Building Information Modelling) & Digital Twin Services

A. BIM Services – Strategy & Planning

Service Area	Details
BIM Consultation and Roadmap Development	We assess project requirements and develop a long-term roadmap for BIM adoption tailored to the client's needs.
BIM Execution Plan (BEP) Development	Preparation of project-specific BEP in line with ISO standards to ensure consistent collaboration across teams.
BIM Implementation for Organizations	Full-cycle implementation support—from pilot projects to organization-wide BIM rollouts.
BIM Maturity Assessment & Digital Adoption Support	Evaluation of existing digital practices and guidance on improving digital maturity for better BIM performance.
Standards and Protocols (ISO 19650 Compliance)	We assist in developing and applying BIM standards and workflows aligned with international frameworks.

A. BIM Services –Modeling & Documentation

Service Area	Details
3D BIM Modeling (Architectural, Structural, MEP)	Accurate and detailed Revit models for architectural, structural, and MEP disciplines.
LOD-Based Modeling (LOD 100–500)	Models developed at appropriate Level of Development for design, coordination, and construction phases.
Custom Revit Family Creation	Creation of intelligent, parametric Revit families for manufacturer-specific or custom components.
Scan to BIM	Conversion of point cloud data into accurate BIM models for renovation or as-built documentation.
Shop Drawings & Construction Docs	Generation of coordinated 2D documentation required for execution and regulatory approvals.
Code Compliance Modeling	Modeling and analysis of design models in accordance with local building codes and regulations.
Civil 3D	<ul style="list-style-type: none"> A) Surveying & Mapping Site B) Mapping Site Design & Grading C) Storm and Sanitary Analysis D) Earthwork & Quantity Take-Off E) Collaboration & Data Exchange

A. BIM Services – Analysis & Coordination

Service Area	Details
Clash Detection & Coordination	Detection and resolution of interdisciplinary clashes using Navisworks or BIM 360 Coordinate.
Simulation-Based Design	Use of BIM tools for energy performance, HVAC efficiency, and structural behavior simulations.
4D BIM – Construction Scheduling	Integration of project timelines into the model to visualize construction sequences and milestones.
5D BIM – Quantity Takeoff & Cost Estimation	Linking cost data with BIM elements for accurate budgeting and procurement planning.
7D BIM – Sustainability & Facility Insights	Integration of energy analysis tools for sustainability planning and lifecycle cost evaluation.
Model Health Checks & Quality Assurance	Regular model reviews to ensure accuracy, consistency, and performance.

A. BIM Services – Operations & Support

Service Area	Details
6D BIM – Facility Management Support	Delivering data-rich models for use in facility and asset management systems.
As-Built BIM Modeling	Creation of accurate as-built models for record and maintenance purposes.
Construction Monitoring	Visual tracking of construction progress using drone imaging or AR/VR tools integrated into BIM models.
Site Execution & Construction Planning	Using BIM for site logistics planning, material handling, and contractor coordination.
BIM Support & Maintenance	Support for model updates, audits, and document control throughout the project lifecycle.
Training & Upskilling	Professional training programs for teams to improve their BIM proficiency.

A. BIM Services – Setup & Integration

Service Area	Details
Digital Twin Strategy & Planning	Advising clients on Digital Twin architecture based on use cases and system requirements.
Digital Twin Modeling	Creating real-time digital counterparts of physical buildings, including dynamic asset information.
IoT Sensor Integration	Mapping of sensors and smart systems into the Digital Twin environment for real-time monitoring.
Interoperability	Connecting Digital Twin models with Building Management Systems (BMS), SCADA, and GIS platforms.
Cloud and Edge Computing	Enabling scalable data processing and storage for real-time data exchange and analytics.

B. Digital Twin Services – Specialized Applications

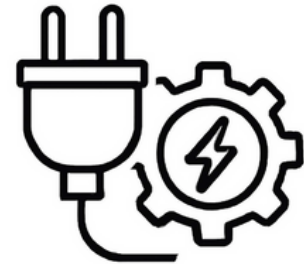
Service Area	Details
Simulation-Based Planning	Scenario modeling for predictive maintenance, energy optimization, and space planning.
AR/VR Integration	Augmented and virtual reality integration for immersive building experience, training, and maintenance visualization.

LG ELEKTROTECHNIK

- ELECTRICAL ENGINEERING
- SAFETY & SECURITY SYSTEMS
- MSR, MEASUREMENT, CONTROL, REGULATION
- NETWORK & DATA TECHNOLOGY
- E-MOBILITY
- MAINTENANCE OF ELECTRICAL SYSTEMS



OUR SERVICE PORTFOLIO



ELECTRICAL ENGINEERING (HIGH & LOW VOLTAGE)

Design and implementation of core building electrical systems

HIGH VOLTAGE

- Lighting Systems
- Installation Systems
- Low Voltage Switchgear
- Uninterruptible Power Supplies (UPS)

LOW VOLTAGE

- Telecommunications Systems
- Electroacoustic Systems
- Time Recording Systems
- TV and Antenna Systems



SAFETY & SECURITY SYSTEMS

Integrated solutions for fire, access, and intrusion protection

- Fire Alarm Systems
- Video Systems
- PA Systems
- Access Control
- Intrusion Alarm Systems
- Energy Control
- Emergency Lighting

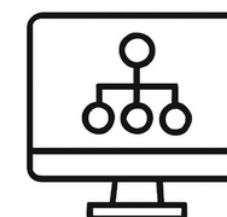
OUR SERVICE PORTFOLIO



MSR MEASUREMENT, CONTROL, REGULATION

Smart building automation systems for comfort and efficiency

- HVAC Automation
- Room Climate Regulation
- Lighting Control
- Shading & Blind Systems
- Energy Monitoring & Metering

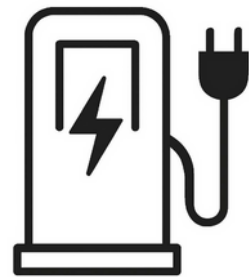


NETWORK AND DATA TECHNOLOGY

Secure and future-ready network infrastructure

- Network Infrastructure
- WLAN
- IT & Network Security
- Fiber Optics
- Structured Cabling
- Copper Connections – Structured Data Networks
- Active Data Networks
- Passive Data Networks

OUR SERVICE PORTFOLIO



E-MOBILITY

Energy and mobility solutions for the next generation.

- Charging Infrastructure
- Battery Storage Systems
- Vehicle-to-Grid Integration
- Maintenance Services



MAINTENANCE OF ELECTRICAL SYSTEMS

- Preventive Maintenance
- Troubleshooting & Repairs
- Safety Inspections & Documentation
- Modernization & System Optimization



LG AUTOMATION

- CONSULTING & PLANNING
- PROGRAMMING & VISUALIZATION
- TRAINING
- MAINTENANCE & SUPPORT

OVERVIEW OF OUR TECHNOLOGIES

KNX

Worldwise standard for home and building automation

DALI

Intelligent & flexible lighting control

Modbus

Industrial communication at the simplest level

BACnet

Communication for HVAC technology

Loxon

Smart complete solutions for residential and commercial buildings

Project portfolio

Over the years, **Giannoulis Holding** has delivered a diverse range of projects that reflect our technical expertise, commitment to quality, and trusted partnerships. From large-scale industrial facilities to complex infrastructure works and energy-efficient residential developments, our portfolio demonstrates our ability to adapt to client needs while maintaining high construction standards across sectors. The following selection highlights representative projects that showcase the scope and impact of our work.

Industry

1. **Project:** Robert Bosch GmbH

Client: Robert Bosch GmbH

Project Volume: approx. EUR 17 million

Scope of Work: New construction of wafer fab, complete electrical installation including BIM planning



Hotels



1. **Project:** Mandarin Oriental Munich

Client: Mandarin Oriental Munich GmbH

Project Volume: approx. EUR 1.6 million

Scope: Renovation during ongoing operations. Lobby, restaurant, bar, commercial kitchen

Type of Work: Electrical engineering including smart home systems, renewal of low-voltage main distribution boards, lighting control, and network technology



3. Project: Holiday Inn Express

Client:

I+RB Industrie & Gewerbebau GmbH

Project Volume: approx. EUR 1 million

Scope of Work: New construction with 157 rooms, complete electrical installation (high and low voltage) including security systems



2. Project: Hilton Garden Inn

Client:

I+RB Industrie & Gewerbebau GmbH

Project Volume: approx. EUR 1.1 million

Scope of Work: New construction with 166 rooms, complete electrical installation (high and low voltage) including security systems



4. Project: Ruby Lilly Hotel

Client:

Art-Invest Real Estate Funds GmbH

Project Volume: approx. EUR 1.3 million

Scope of Work: Complete refurbishment of an office building into a hotel. Full electrical installation (high and low voltage) including security systems



2. European Patent Office

Client:

Bayerische Landesbrandversicherung AG

Project Volume: approx. EUR 1.95 million

Scope of Work: Complete electrical installation (high and low voltage systems)



Office



1. Office Building "Lumen"

Client: Leonhard Weiss GmbH & Co. KG

Project Volume: approx. EUR 4.9 million

Scope of Work: New office building, complete electrical installation (high and low voltage) including security systems



3. Campus Microcity

Client:

Bayerische Landesbrandversicherung AG

Project Volume: approx. EUR 1.25 million

Scope of Work: Complete electrical installation (high and low voltage systems) in various buildings for BMW, Nokia, Veoneer, Dywidag



5. Robert Bosch GmbH
Client: Bosch Engineering GmbH
Project Volume: approx. EUR 8.5 million
Scope of Work: New office building with laboratory spaces, complete electrical installation (high and low voltage). BIM planning services: approx. EUR 0.6 million



4. Müller BBM
Client: Müller BBM AG
Project Volume: approx. EUR 1.8 million
Scope of Work: New office building, complete electrical installation (high and low voltage) including security systems

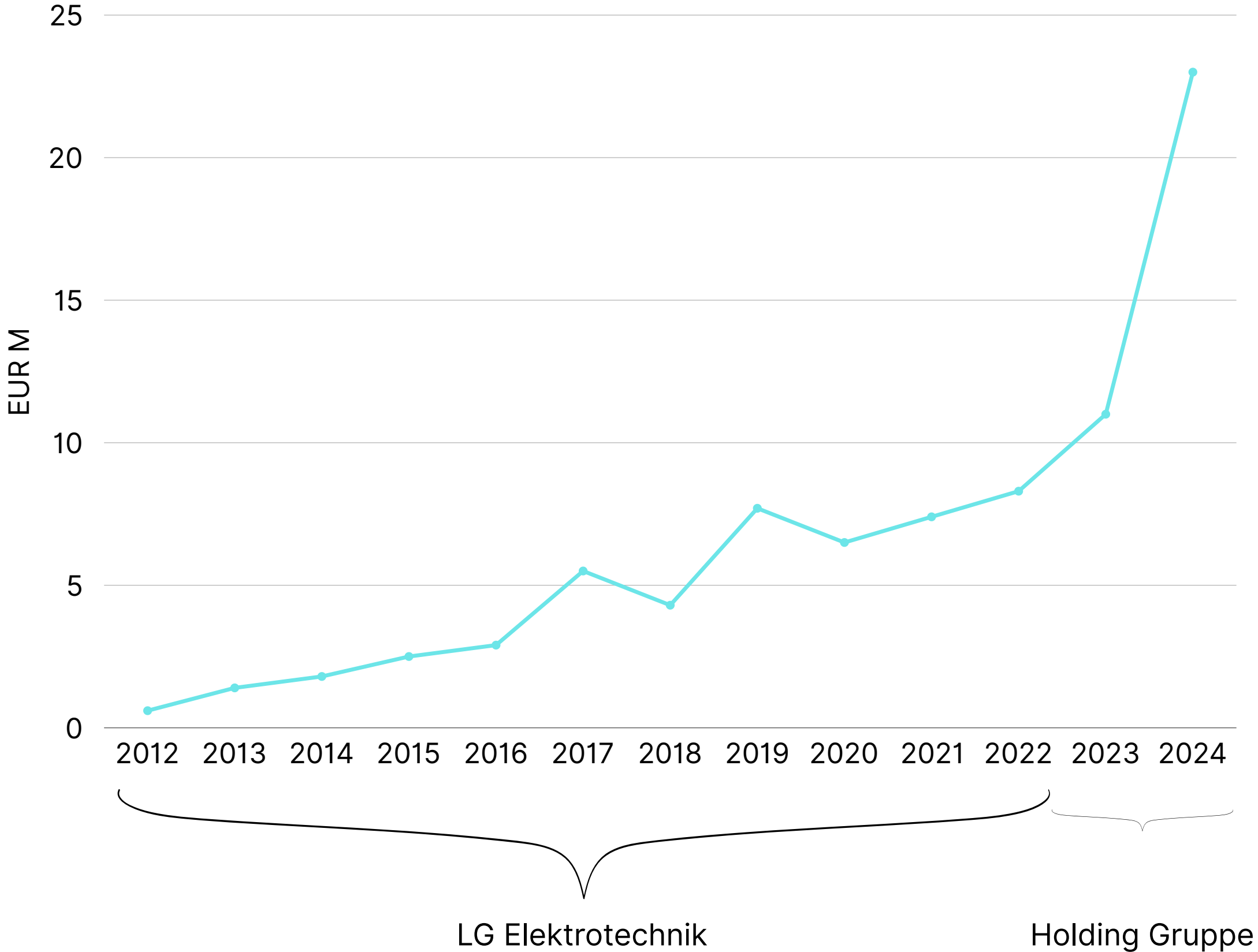


Sports



1. Football Club F.C. Augsburg
Client: F.C. Augsburg 1907 GmbH & Co. KG
Project Volume: approx. EUR 0.55 million
Scope of Work: Renovation of business lounge and fan shop

Financial Overview 2012–2024



OUR CLIENTS & PARTNERS

- Art-Invest Real Estate Management GmbH & Co. KG
- Bayerischer Kunstgewerbeverein e.V.
- Bayerisches Staatsministerium für Digitales
- Bayern-Versicherung Lebensversicherung AG
- Bayerische Staatskanzlei
- Bayerische Versorgungskammer
- Bettenrid GmbH
- Biebl & Söhne Bautenschutz GmbH
- BioNTech SE
- Bosch Engineering GmbH
- CBRE
- Cognizant Mobility GmbH
- Continental Gemany GmbH
- CONDOR
- Lebensversicherung-AG
- CR Innenausbau GmbH
- Deutsche Provinz der Jesuiten
- DB Services GmbH
- Dibag Industriebau AG
- DMS Digitale Mess- und Steuersysteme AG
- DYWIDAG-Systems International GmbH
- EOS GmbH
- European Value Paertners Hansa S.a.r.l

OUR CLIENTS & PARTNERS

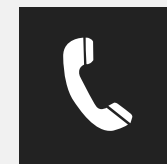
- CR Innenausbau GmbH
Europäisches Patentamt
- Fäth GmbH
- Fußball-Club Augsburg 1907 GmbH & Co. KG aA
- Fraunhofer Gessellschaft
- GEMA Gebäudemanagement GmbH & Co. KG
- Gemeinde Feldkirchen-Westerham
- Generali Lebensversicherung AG
- Glorius Bastards GmbH
- Goethe-Institut e.V.
- GRUMA Nutzfahrzeuge GmbH
- Grund Idee Wohn- und Gewerbebau GmbH
- Gundermann Gebäudetechnik GmbH
- Generali Lebensversicherung AG
Heinrich Bossert Immobilien GmbH
- Hermos AG
- Hilton Garden Inn Munich Messe
- ias health & safety GmbH
- I+RB Industrie- & Gewerbebau GmbH
- Kaufland Vertrieb 84 GmbH & Co. KG
- Katholische Pfarrei St. Rita
- KJF der Erzdiözese München und Freising e.V.

OUR CLIENTS & PARTNERS

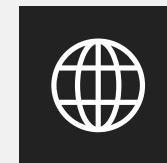
- Krasova Ltd.
- Kunstwerkküche GmbH
- LEONHARD WEISS GmbH & Co. KG
- Magna Electronics Germany GmbH
- Mandarin Oriental Munich GmbH
- Maximilian Munich Apartments & Hotel
- MBS GmbH
- MEAG MUNICH ERGO ASSET MANAGEMENT GmbH
- MGS, Münchner Gesellschaft für Stadterneuerung mbH
- Müller BBM-AG
- Osten AG
- Pandion Real Estate GmbH
- Regierung von Oberbayern, Flüchtlingsverwaltung
- Robert Bosch GmbH
- Rocco Forte & Family (Munich) GmbH
- Ruby Hotels & Resort GmbH
- Sauter-Cumulus GmbH
- SBP Bau- und Projektentwicklung GmbH
- Schwitzke Project GmbH
- Société Générale Securites Services GmbH
- Siemens AG
- Sony Music Entertainment Germany GmbH
- Sozialservice, Gesellschaft des Bayerischen Roten Kreuzes GmbH
- Studentsche Kulturgemeinschaft e.V.
- Union Investment Real Estate GmbH
- Versorgungswerk der Landesärztekammer Hessen
- Veoneer Germany GmbH
- R+V Allgemeine Versicherung AG
- R+V Lebensversicherung AG



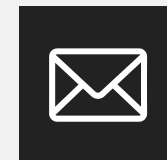
**WE'D LOVE
TO HEAR
FROM YOU**



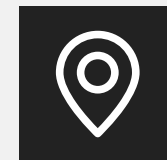
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