

Innovation

*"Innovation is one of the cornerstones of DI-Teknik;
we perform the tasks with maximum optimization
and functionality"*



Automation

Hardware



Project planning



Panel board production



Distribution Systems



Thermography



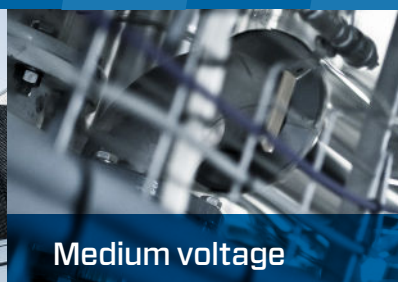
Maintenance



Automation

Software

 Industriel EI & Automation
DI-Teknik



Medium voltage





DI-TEKNIK

– High skills in automation

A strongly growing company

DI-Teknik is an ambitious and professional automation company with years of experience within industrial power supply and automation to customers in a variety of industries. Our competences are extensive, and our strength is our capability of operating as a full-service provider within design, dimensioning, programming, installation and maintenance of complete automation and installation systems. This is among others reflected in a high level of knowledge and coherent solutions to our customers at all times. In short, we can deliver everything from an assembled high voltage system to the last sensor on a purification plant.

DI-Teknik was established in 2003 with approximately 20 employees. Our head office is located in Køge, Denmark, and we have a branch office in Copenhagen. The company is continuously growing strongly and, on an average, we have added one new employee to our staff per month. Today, DI-Teknik thus has more than 175 employees. We have capable employee competences, as we are continuously adjusting our high level of training to the demands of our customers and the authorities. Innovation is one of the cornerstones of DI-Teknik; we perform the tasks with maximum optimization and maximum functionality.

This corporate leaflet will give you a brief presentation of our varied competencies. We are always open to a dialogue, so let us talk about the best way for DI-Teknik to provide service for your company. You are more than welcome to visit our website at www.di-teknik.dk, which we continuously update with exciting case stories on projects we have implemented at our customers.



DI-Teknik operates within the following industries

Pharmaceutical industry

Food industry

Hospitals

Offshore & marine industry

Oil & gas industry

Process & wastewater industry

AUTOMATION

– Software

Software

DI-Teknik develops software and has the competencies spanning industrial IT, and network design over .NET, database applications, SCADA, DCS and PLC- and robot programming. We possess a high level of experience with complex data acquisition, exchange of data and reporting systems and we know how to integrate the solutions in correlation with general ERP and planning systems.

DI-Teknik has the competencies to provide solutions to most major systems on the market.



*Read more about
software on our website*



To a predominant degree, our programming is standardised, structured and follows current standards for the branch. If our customer has his own standards, we will follow them. In order to minimize the cost of programming, qualification and subsequent maintenance of the developed applications, we use auto generation to the extent possible. This ensures consistency and minimize errors in the delivered solutions. We prepare peripheral and software design specifications; test protocols and risk analyses on a level that complies with the industry that needs the solution.

Our objective is to involve our customers in the entire process. Our purpose is ensuring optimal and high quality solutions and unique knowledge sharing in all stages of the process.

Validation / Quality Assurance

DI-Teknik has a quality system that supports the requirements of the ISO standard and GAMP5-guidelines. This ensures that the design, functionality and requirements are thoroughly documented and tested. By our staff who handle the preparation and implementation of qualification, DI-Teknik is able to complete tasks and projects where qualification is included. For instance, DI-Teknik is able to deliver an overall solution towards the pharma industry, from installation of a sensor on a system, to the last piece of paper for the customers quality department. This enable very high synergies in quality and economy in pharma projects.

DI-Teknik is System integrator/partner/provider for the following products:

- Siemens Solution Partner
- Siemens building technologies solution partner, Desigo system
- Rockwell Automation Recognized System Integrator
- Schneider IGSS Partner
- Schneider EcoXpert Critical Power Partner
- Aveva / Wonderware System Integrator
- Beijer Electronics Integrator
- ABB AC500 og 800XA Integrator
- AUVESY Versiondog provider





AUTOMATION

– Hardware

Project engineering

DI-Teknik offers everything from project management including planning and design to documentation and follow-up / maintenance. In the context of hardware design, DI-Teknik takes great emphasis on risk analysis, documentation and quality assurance in relation to people as well as products, environment and production equipment; thereby preventing a.o.t. errors in the developing phase, which can be time-consuming and costly to rectify afterwards.

We have several skilled TÜV Nord Certified Machinery Safety Experts (CMSE) employed in our company. They possess the right knowhow in relation to the safety of machinery for processing machines, e.g. robot and process systems, and within CEE certification.

[Read more about hardware on our website](#)



Documentation

An inevitable part of the technical process is the preparation of a complete documentation of the construction of the electrical connections in an installation. The documentation is performed in professional CAD programs targeting electrical documentation / drawings and complies with current legislation. DI-Teknik

always consults our customers in relation to the preparation of the documentation. There is room for dialogue when it comes to visual expression, lists, numbering, etc. Furthermore, we have our own standards, which we will use in cases where there are no specifications of requirements.

DI-Teknik can deliver electrical documentation in the following systems:

- EPLAN
- Caddy++
- PCSchematic
- AutoCAD



Panel board production

DI-Teknik features a very functional and well-equipped board workshop. Our skilled panel board assemblers build up the panel boards from the bottom, ensuring high quality in both craftsmanship and functionality. Functional and KS tests as well as visual inspections are always carried out before boards are put into operation at the customer. The panel boards are designed in a way that the components availability is suitably located, to make a production stop as short as possible.



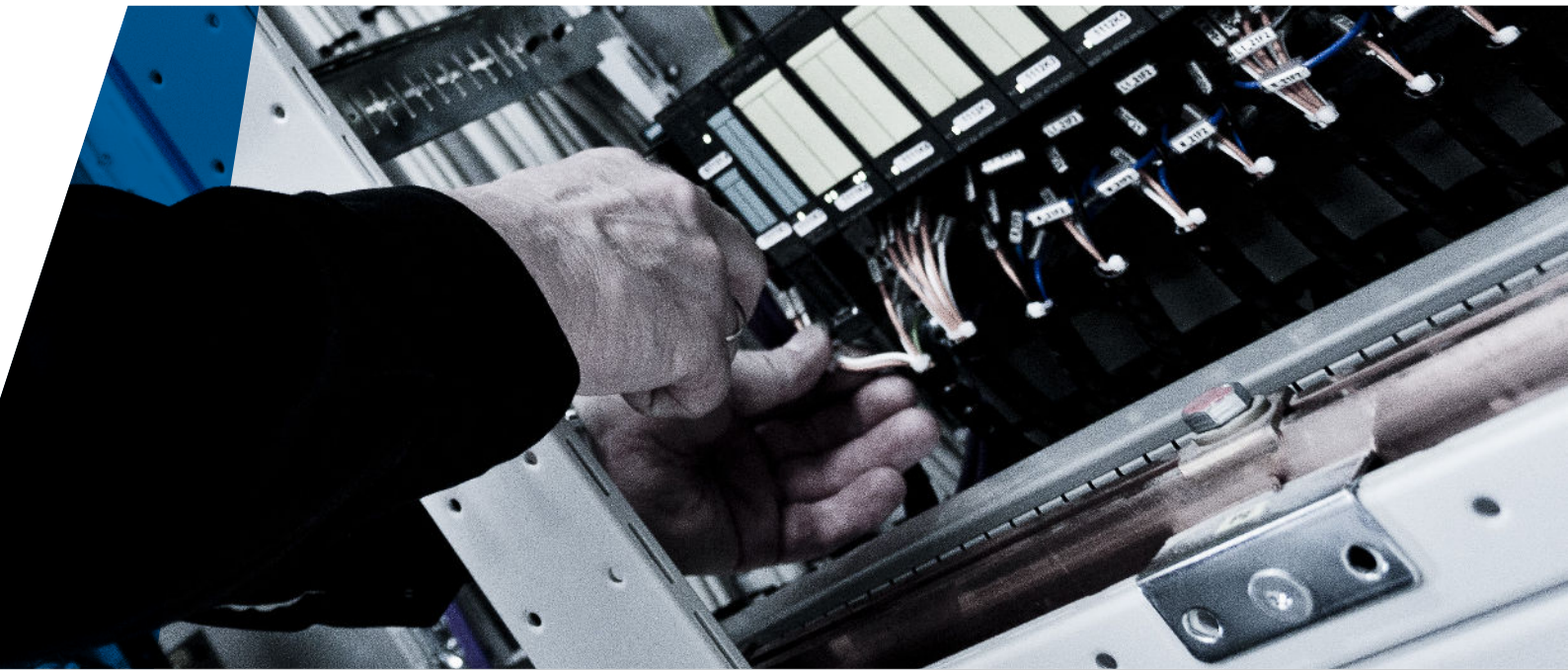
SERVICE & MAINTENANCE

DI-Teknik services and carries out preventive maintenance on small and large production plants in a multitude of different industries; e.g. the food industry, the pharmaceutical industry, the process industry and in petrochemical companies. A common trait for the various areas is that the production processes are complex or that there are specific safety regulations placing severe demands on procedures and methods. Often, the challenge is that even the smallest shutdowns can cost millions. The staff at DI-Teknik has extensive experience in working under such conditions.

[Read more about service and maintenance on our website](#)



Naturally, we offer our customers a 24-7-365 service.



Search for non-visible cables

DI-Teknik has skilled technicians who, by using the most efficient equipment on the market, are capable of trouble shooting and locating cables in the ground. For instance, we are dealing with faulty cables, leaking cable assemblies, strike of lightning, excavation damage on cables,

cables that are not tagged on the drawings etc. A code signal from a tone generator helps the instrument to locate most defects quickly and accurately. Thereby, the amount of time used on the shutdown and the loss of profit is therefore kept to a minimum.



*Read more about thermography
on our website*



THERMOGRAPHY

- Securing the operation using thermography

A part of the preventive maintenance is conducted using thermography, where our certified technicians use a calibrated thermal camera, which complies with the latest requirements of the insurance industry.

The purpose of thermography is to identify bad connections and to detect excessive heat generation on critical components. Thus, any kind of defects can be detected before a costly production shutdown occurs and a potential panel board fire can be prevented.

Furthermore, we use ultrasound scanning to capture electrical noise from components, which are potentially overheating from within, but due to the encapsulation quality, is not detected during the thermography.

Our reports are approved by the insurance industry, will always be delivered and reviewed in person with the customer. In addition to this, we deliver the reports electronically.

Leak detection using ultrasound

DI-Teknik also performs leak detection by ultrasound scanning. With our advanced ultrasound equipment, we are able to detect leakages on all pressurised systems. E.g., steam, air, oxygen or medicinal gasses can be a major safety or operational hazard, besides producing major financial costs. Furthermore, this is an evident improvement of the safety and personnel conditions in the affected areas when the leakages have been repaired.

SUPPLY SYSTEMS & INSTALLATION

Steady, flawless and silent supply systems

DI-Teknik analyses and provides consultancy services on the operation of supply systems. Among other things, the purpose is to identify sources of defects unnecessarily overloading the supply systems, panel boards and cables with slipstreams outside the customer's own grid. In addition to this, it may prove to be beneficial to isolate noise sources that can destroy the network communication or overload the panel boards. The purpose is to secure steady supply systems with the correct selectivity settings at all times.

DI-Teknik secures steady supplies day and night all year around. We have years of experience in securing continuity of some of Denmark's most sensitive installations.



We ensure your uptime

A reliable production system running non-stop around the clock is pivotal to many of our customers. We excel in ensuring a high level of uptime under complicated conditions in relation to sensitive productions. Among other things, this is because we do not accept less than the highest possible quality in our selection of employees, training and products. One of DI-Teknik's central themes is counselling on maintenance programmes with subsequent high operational reliability. This may be particularly relevant to customers who, for various reasons, strongly depend on a well-functioning production system and very steady operations, e.g. wastewater treatment plants or water supplies with functions that are essential to society. It may also be a production running with a maximum capacity of 24 hours. Furthermore, there may be industries in which the units produced are so costly that errors and irregularities may result in considerable financial losses.

[Read more about supply systems on our website](#)



SUPPLY SYSTEMS & INSTALLATION

High and medium voltage systems

Planning, establishing, operating and maintaining medium and high voltage systems constitute some of DI-Teknik's core areas. We manage operation management at various private stations and thereby we are in contact with the authorities, The Danish Safety Technology Authority and the supply companies and we ensure optimal safety in compliance with the executive order on high voltage power (the heavy current regulation).

Our high voltage team covers everything from preventive maintenance and service, commencement of operations of full-service stations to urgent trouble shooting.

Low voltage systems

We install, rebuild and service low voltage systems and supply boards in various industries. Our competencies in the field cover among other things functionality, adaption to future requirements and dimensioning in relation to energy optimisation, environmental considerations and compliance with current legislation.

*Read more about high, medium
and low voltage service
on our website*





*Read more about
emergency supply systems
on our website*



EMERGENCY SUPPLY SYSTEM

Mobile 10-kV transformer station

DI-Teknik has a mobile 10 kV transformer station to ensure steady and environmentally friendly power supply, both during planned and acute projects.

The mobile transformer station consists of modules in order for it to be used strictly as a 10 kV supply system and as a 10/04 kV transformer station with 2 times 800 kVA transformers and LV circuit breaker.

In addition to this, we have several diesel generators ranging from the smallest mobile units to 500 kVA units, which can be integrated in the mobile emergency system.

Emergency supply systems

DI-Teknik delivers complete turnkey projects within emergency and back-up supply for both high voltage and low voltage grids. We operate on all kinds of supply systems from the enormous main power supply of a power station to a battery driven UPS on a network switch. DI-Teknik offers assistance throughout the entire project from risk analysis to delivery and installation.

AUTOMATIC SURVEILLANCE

- Automatic surveillance of operations and equipment increases the safety of your employees

Video surveillance

We offer planning and installation of video surveillance in offices, storage buildings, production areas, etc.

Video surveillance is available in a wide variety for the segments of the business world. Examples would be perimeter protection of buildings, IP surveillance of operating

production and the technical equipment used.

Video surveillance combined with sensory alarms can make a huge difference if there is a leak in a pump manifold.

Video surveillance will provide you with a strong case, if your company is burgled.

Read more about automatic surveillance on our website



ADC – automation door control

During the past few years, DI-Teknik has seen an increasing demand for the establishment of automatic access control to selected areas of companies.

A time-controlled access system provides flexible control and logs the access of the users. This increases the safety for both employees and the companies' assets.

ABA/ABV-T

DI-Teknik is certified for installations of automatic fire detection systems (In Danish: Automatisk Brandalarmerings Anlæg (ABA)) and ABV-T (Automatic Fire Ventilation - Thermal). Our competencies in the field are particularly directed to industrial companies using fire hazardous media, and companies with special needs for fire or gas detection due to environmental considerations or expensive products or processes.



Read more about cooling and ventilation on our website



COOLING TECHNOLOGY

DI-Teknik delivers all kinds of cooling solutions, e.g. delivery and installation of complete refrigeration and ventilation systems and subsequent service and maintenance.

We have years of experience within cooling of process systems, cold stores and server rooms and laboratory equipment cooling.

As an authorised cooling company, DI-Teknik is ISO 9001 certified and approved by the cooling industry's Danish environment agency, KMO, for handling coolants. DI-Teknik is committed to using durable CO₂ propellant solutions. CO₂ does not deplete the ozone layer and the greenhouse effect is a thousandth lower in relation to using HFC coolants.

Furthermore, CO₂ has two very important advantages compared to hydrocarbon; it is not damaging to the environment and it is not combustible. This makes it the favourite choice in relation to construction as well as installation and maintenance costs on the systems.

In addition to this, CO₂ systems have the potential for recovery heating which can be used in the companies' production and administration with subsequent major economic benefits.

Major industrial heat supplies (100- 2000kW) can also benefit from a CO₂ system. The power factor is typically between 2.5 and 4.7 in systems made specifically for heat supply.





COMPRESSED AIR

Our affiliate, DI-Trykluft, resides at the same address as DI-Teknik. In several ways, the close relation and daily contact is beneficial to our customers in relation to the establishment and service of their compressed air systems.

DI-Trykluft imports compressors, pressure tanks, filters and spare parts and is an approved Atlas Copco distributor and service partner. DI-Trykluft has a skilled staff with years of experience within system design, piping, installation and maintenance of large as well as small compressors, nitrogen and oxygen systems.

The company also performs compressed air analyses, dewpoint measurements, quality control of compressed air for breathing protection masks and statutory compressed air tanks inspections.

DI-Trykluft offers a service 24-7-365 as well as DI-Teknik.

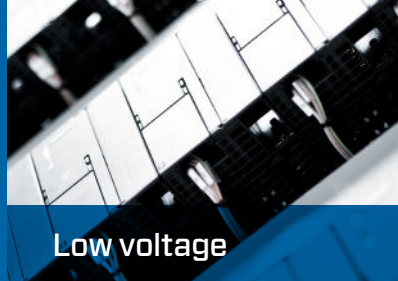
[Read more about compressed air on www.di-trykluft.dk](http://www.di-trykluft.dk)





High voltage

Ownership of
our activities
*"We want to be a
collaborator rather than
a supplier"*



Low voltage

Credibility
*"We always deliver the
agreed product at the
arranged time"*



Social responsibility
*"We take pride in long-
lasting staff relations
and show our support
whenever it is needed"*

Innovation
*"We are continuously
ensuring a high level of
training, adjusted to the
demands of our customers
and the authorities"*



Social responsibility

*"We believe that a healthy and safe work environment
is essential. We maintain a high safety level in
the work place and our work place atmosphere is
adjusted to the needs of our staff"*



Cooling technology

Credibility
*"We want to deliver
quality and thus never
accept a compromise"*



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