

DYNATECH
ENGINEERING SOLUTIONS

INTELLIGENCE FOR LIFE

INTELLIGENT LIFE FOR LIFE



ENGINEERING SOLUTIONS ENGINEERING SOLUTIONS DYNATECH

ABOUT DYNATECH

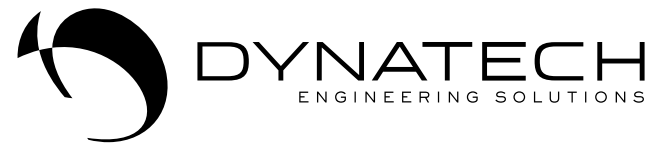
In a developing the world with its constantly increasing population, the changing needs impose significant responsibilities on all sectors. Accordingly, future generations and human life are designed in this direction.

Our responsibility as a human being is to bring out benefits, to take steps that create added values, to produce knowledge and to leave a historic legacy for our future.

DYNATECH was established in Istanbul, Turkey in 2019 in the field of Engineering. Our brand, which set out with a business plan under a multinational structure, has completed its corporate infrastructure and hardware process.

Shaped by our 10+ years of experience; our expertise has always been improved with successful partnerships and collaborations as well as the projects and company's strong ethical values and commitment to achieve excellence.





DYNATECH ACTIVITY AREAS Engineering Solutions

One of the most critical phases in performing the investment plans and programs is the design and engineering processes. If not done in a righteous manner, it is inevitable to face problems in the process.

With our experience in the field we provide;

Secondary Designing of Substations

- Bill of Material Lists
- Front View of Panels
- Single Line Diagram of Protection and Measuring Systems
- Circuit Schematics
- Internal and External Cable Lists
- Terminal Lists
- Communication Network Schematics

Engineering Calculations

- Short Circuit Analysis
- Load Flow Analysis
- Relay Coordination
- CT-VT Sizing Calculations

Closed Ring and Relay Coordination Solutions in Medium Voltage Systems

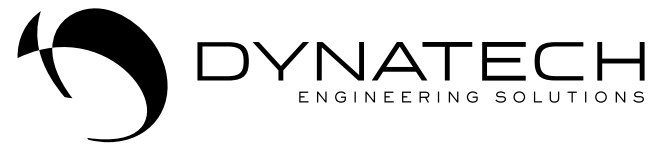
- Selectivity with Line Differential Relay
- Selectivity with Directional Overcurrent Relay
- Relay Replacement *if required

Fast Bus Transfer System Designs

Energy Automation/Scada Solutions, Power Systems Communication Designs,

RTU-NCC Communication Designs

As well as the planning of investments, efficient operation of the installed facilities is of great importance. With this awareness, we are here for analysis of failures, functionality of system control and protection equipment, engineering solutions and consultancy services to optimize the existing system.



DYNATECH ACTIVITY AREAS Project Based Production Activities

Project based production activities are carried out with our professional team in domestic and international projects with our engineering expertise.

For high-medium-low voltage systems of industrial facilities, power plants and substations;

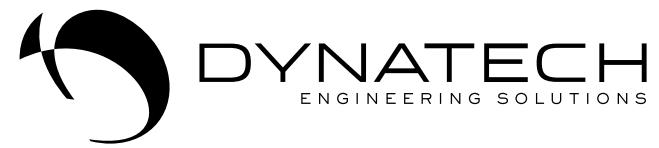
Electrical Panels of Substations and Power Plants

- Control and Protection Panels
- AC-DC Distribution Panels
- Marshalling Boxes
- RTU/SCADA Panels

Communication Panels for Special Systems: RMU of WPPS, Marshalling Kiosk of Distribution Networks etc.

Production of Special Panels: Protection Panels for BBP and BFP, Fast Bus Transfer Systems





DYNATECH ACTIVITY AREAS

Field Installation Activities

With our expert field team, we take our role in the installation activities of equipment in electrical facilities. In this area we perform installation of;

High Voltage Electrical Equipment

Site Earthing

Power Transformers

Panels

Secondary Cabling and Termination

Metalclads

Relay and Panel Replacement

Time Synchronization Systems



DYNATECH ACTIVITY AREAS

Test and Commissioning Activities

AC-DC Energizing of The Site

Site Functionality Tests (interlock, signal check etc.)

Scada Tests

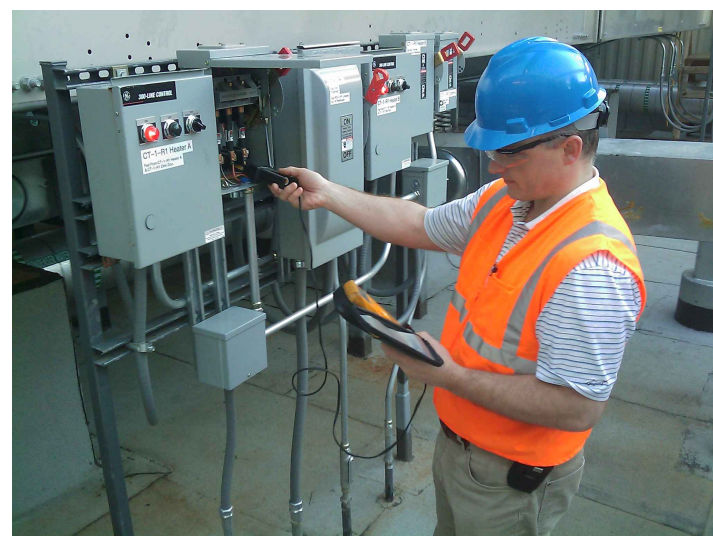
Primary Tests

- Power Transformer Insulation (Tandelta, Insulation Resistance), TTR, Winding Resistance, FRA etc.
- CT-VT Insulation (Tandelta, Insulation Resistance)
- CB Insulation (Wattloss), Open and Close Time Measurement, Contact Resistance Measurement
- Disconnecter Contact Resistance Measurement
- Surge Arrestor Insulation Tests
- Earthing Measurements
- XLPE cable, Busbar Hipot Tests

Secondary Tests

- Relay Injection Tests (distance, transformer diff, overcurrent, busbar protection etc.)
- Tariff Meter Test
- CT Ratio-Polarity, Exiting, Winding Resistance, Load Tests
- VT Load Tests

RTU Point to Point Tests





DYNATECH ACTIVITY AREAS

Product Supply Activities

We only select the electrical materials which comply with the specifications for you. We offer products and optimum solutions with our broad experience in the sector. We know the needs and requirements of transformer substations, power plants and industrial plants and share them with you.



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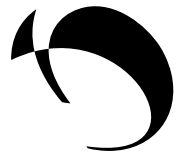
Training Activities

The following trainings are given to the electrical plant management engineers and technicians and competent responsible personnel of newly established or operating plants in the light of our +10 years engineering experience:

- Scada / RTU / Communication System Trainings**
- Control and Protection Systems Trainings**
- Protection Relays Trainings**



I N T E L L I G E N C E
F O R L I F E



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DYNATECH MÜHENDİSLİK ELEKTRİK SANAYİ VE TİC. LTD. ŞTİ.
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