



**acinel**

COMPANY  
REFERENCES

ACI-VZ008, EN, r02  
2022-11-28



### OFFSHORE HVDC CONVERTER BORWIN1 (P22020)

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- **Scope:**
  - Upgrade of SCM system, signal testing

End User	Location	Duration
TenneT	Germany	2022

### MIL01 (P22018)

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- **Scope:**
  - On site intervention

End User	Location	Duration
Microsoft	Italy	2022

### OMICRON TRAINING (OMICRON ACADEMY)

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- **Scope:**
  - Automated overcurrent, distance and differential protection testing with CMC356

End User	Location	Duration
HSE	Slovenia	2021

### SYNCHRONOUS COMPENSATOR (P21037)

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- **Scope:**
  - Commissioning site services

End User	Location	Duration
TERNA	Italy	2021



### TRANSMISSION SS - SCADA UPDATE (P21027)

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- **Scope:**
  - o Extension of existing SCADA system

End User	Location	Duration
Electric Networks of Armenia	Armenia	2021

### POWER PLANT (P21022)

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- **Scope:**
  - o Commissioning of control and protection system

End User	Location	Duration
S.E.F. Impianti di Ferrara	Italy	2021

### STEEL PLANT (P21024)

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- **Scope:**
  - o Commissioning of control and protection system

End User	Location	Duration
ARCELORMITTAL ITALIA SPA	Italy	2021

### STEEL PLANT (P21021)

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- **Scope:**
  - o Commissioning of control and protection system

End User	Location	Duration
Mercegaglia Carbon Steel	Italy	2021



### FACEBOOK DATACENTER, LULEA (P21019)

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- **Scope:**
  - o Commissioning agency

End User	Location	Duration
GreenEye AB	Sweden	2022

### DATA CENTRES STACKBO, TUNA, ERSBO (P21017)

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- **Scope:**
  - o Commissioning agency

End User	Location	Duration
Microsoft	Sweden	2021

### PAPER FACTORY (P21015)

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- **Scope:**
  - o Site survey, control system refurbishment

End User	Location	Duration
AG Power	Italy	2021

### SUBSTATION 132/23KV (P21014)

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- **Scope:**
  - o Commissioning

End User	Location	Duration
Brulli Service	Italy	2021





**COMBINED STEAM POWERPLANT 200MW (P21013)**

- **Scope:**
  - o Factory testing of fast transfer logic

End User	Location	Duration
DS Smith Powerplant	Italy	2021

**DATACENTER (P21012)**

- **Scope:**
  - o Commissioning

End User	Location	Duration
Data4Italy	Italy	2021

**GAS STORAGE FACTORY (P21009)**

- **Scope:**
  - o ABB Microscada commissioning

End User	Location	Duration
IES Italiana Energia e Servizi	Italy	2021

**HVDC STATION ±525KV DC/1400MW - NORDLINK WILSTER (P21007)**

- **Scope:**
  - o Punch clearance on SCM network, GWS (IEC104 gateway) and Intouch HMI

End User	Location	Duration
Tennet	Germany	2021

**SS KRALJEVO 3 400/220/110KV (P21005)**

- **Scope:**
  - o Engineering and delivery of ABB protection equipment

End User	Location	Duration
EMS	Serbia	2021

**OMICRON TRAINING (OMICRON ACADEMY)**

- **Scope:**
  - o IEC61850 Basics, Application and Testing

End User	Location	Duration
Elektro Primorska	Slovenia	2020

**OMICRON TRAINING (OMICRON ACADEMY)**

- **Scope:**
  - o IEC61850 Basics, Application and Testing

End User	Location	Duration
HSE, DEM, Elektro Ljubljana	Slovenia	2020

**TRAIN STATION SS (P20047)**

- **Scope:**
  - o Protection unit service

End User	Location	Duration
Ferrerie Nord	Italy	2020



### ITAL GAS STORAGE PLANT (P20043)

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- **Scope:**
  - o SAS commissioning

End User	Location	Duration
Ital Gas Storage	Italy	2021

### THERMAL POWER PLANT 800MW (P20042)

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- **Scope:**
  - o Protection and control system modification

End User	Location	Duration
Tireno Power	Italy	2020

### WILD CAT DATACENTRE 150/20/0.4KV SUBSTATION (P20036)

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- **Scope:**
  - o Fixing warranty issues

End User	Location	Duration
Apple	Denmark	2021

### ENEL POWERPLANT (P20032)

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- **Scope:**
  - o Commissioning of ABB RTU at ENEL Powerplant

End User	Location	Duration
ENEL	Italy	2020



### MV SWITCHGEAR (P20031)

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- **Scope:**
  - o Factory Acceptance Test

End User	Location	Duration
	Germany	2020

### DISTRIBUTION SS PREDLOKA (P20027)

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- **Scope:**
  - o Delivery and installation of primary and secondary equipment

End User	Location	Duration
Elektro Primorska	Slovenia	2020

### PSO SCADA APPLICATION (P20024)

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- **Scope:**
  - o Extension and commissioning of PSO SCADA application

End User	Location	Duration
AquafilSLO d.o.o.	Slovenia	2021

### RTU560 TRAINING (P20017)

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- **Scope:**
  - o Web based customized RTU training

End User	Location	Duration
Ramus Baltic	Slovenia	2020



### **ELEKTRARNE RM – PE2 (P20016)**

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- **Scope:**
  - Application and IEC61850 Engineering, Testing, MS SAT assistance - 6x ABB Unigear 3,6kV

<b>End User</b>	<b>Location</b>	<b>Duration</b>
Elektrarne RM	Slovenia	2020

### **10KV SWITCHGEAR EXTENTION (P20012)**

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- **Scope:**
  - Testing of ABB ZS1 Unigear Switchgear

<b>End User</b>	<b>Location</b>	<b>Duration</b>
Talum Kidričevo	Slovenia	2020

### **VARIOUS PROJECTS (P20010)**

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- **Scope:**
  - Supply of secondary equipment

<b>End User</b>	<b>Location</b>	<b>Duration</b>
EMS Serbia	Serbia	2020

### **20KV SECTIONERS (P20005)**

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- **Scope:**
  - Engineering and commissioning of control and protection for 20kV sectioner

<b>End User</b>	<b>Location</b>	<b>Duration</b>
Elektro Celje	Slovenia	2020





### IFA2 - INTERCONNEXION FRANCE-ANGLETERRE 2 (P20002)

- **Scope:**
  - Commissioning management of 1,000 MW IFA2 HVDC link
  - SAT of HVDC Station Control System (SCM), Intouch HMI, remote control and supervision.
  - Signal testing (GWS - NCC)
  - Network switches/firewalls settings and testing

End User	Location	Duration
RTE Réseau de Transport d'électricité	France	2021

### MV SWITCHGEAR (P19040)

- **Scope:**
  - Engineering and commissioning of MV Switchgear protection system

End User	Location	Duration
Elektro Primorska	Slovenia	2021

### CASPIAN POWER PLANT (P19038)

- **Scope:**
  - Commissioning of ABB MicroSCADA system

End User	Location	Duration
Mah-Taab Caspian Power Generation C.O.	Iran	2020



### MOBILE SUBSTATION 220/30KV (P19036)

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- **Scope:**
  - o Protection relays engineering

End User	Location	Duration
Sonatrach	Algeria	2021

### 150KV SUBSTATION (P19035)

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- **Scope:**
  - o Commissioning of control and protection system

End User	Location	Duration
Terna	Italy	2020

### RTU ENGINEERING SERVICES (P19034)

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- **Scope:**
  - o engineering services for existing RTU replacement with ABB RTU500

End User	Location	Duration
Terna	Italy	2019

### RTP IDRIJA EXTENTION (P19033)

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- **Scope:**
  - o Delivering, engineering and commissioning of Synchrotact unit

End User	Location	Duration
Kolektor Sisteh d.o.o.	Slovenia	2021





**DISTRIBUTION SS VRTOJBA 110/20KV (P19032)**

- **Scope:**
  - o Refurbishment of protection and control system
  - o Engineering and commissioning of new control system based on ABB MicroSCADA

End User	Location	Duration
Elektro Primorska	Slovenia	2021

**300/132KV SUBSTATION (P19031)**

- **Scope:**
  - o Refurbishment of remote control system
  - o Commissioning REC670 IEDs

End User	Location	Duration
Statnett	Norway	2019

**35KV BATTERY STORAGE SUBSTATION (P19030)**

- **Scope:**
  - o Commissioning of Protection System

End User	Location	Duration
Encom d.o.o.	Slovenia	2019

**300/132KV SUBSTATION HAUGSVÆR (P19027)**

- **Scope:**
  - o FAT of protection & control panels with ABB REx670 and Siemens SIPROTEC5

End User	Location	Duration
Statnett	Trutnov, Czech Republic	2019
	Haugsvær, Norway	

**420/220/132KV SUBSTATION NEDRE RØSSÅGA (P19026)**

- **Scope:**
  - o FAT of protection & control panels

End User	Location	Duration
Statnett	Norway	2019

**SUBSTATION ANDALI (P19023)**

- **Scope:**
  - o Commissioning of Windfarm signalling from RTU to NCC

End User	Location	Duration
Andali Energia	Italy	2019

**132/45KV SUBSTATION VAIKIJAUR (P19021)**

- **Scope:**
  - o Commissioning

End User	Location	Duration
Vattenfall	Sweden	2019

**330KV SUBSTATION EXTENTION (P19020)**

- **Scope:**
  - o SAT of modern, state of the art Station Control System (SCM) including HMI, remote control and supervision

End User	Location	Duration
Eni Tecnomare SpA	Nigeria	2020



**HVDC STATION CGS BTB 400/220/150KV 400MW KRIEGERS FLAK (P19019)**

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- **Scope:**
  - o SAT of HVDC Station Control System (SCM), Intouch HMI, remote control and supervision
  - o Signal testing (GWS - NCC)
  - o Network switches/firewalls settings and testing

<b>End User</b> ENERGINET DK, 50Hertz	<b>Location</b> Germany	<b>Duration</b> 2022
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**47KV SUBSTATION FURUSET (P19018)**

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- **Scope:**
  - o SAT Protection & Control Panels with ABB Rex 670 relays, Artech Instrument Transformers, GE CB

<b>End User</b> Statnett	<b>Location</b> Norway	<b>Duration</b> 2019
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**300KV SUBSTATION (P19017)**

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- **Scope:**
  - o Refurbishment works on 400/300/132kV Substation

<b>End User</b> Statnett	<b>Location</b> Norway	<b>Duration</b> 2019
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**OIL&GAS DCS EXTENSION PROJECTS:**

- GC29
  - GC30
  - LOWER FARS
  - COANDA & BURGAN (P19016)
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- **Scope:**
  - o Commissioning of Oil&Gas DCS based on ABB MicroSCADA system

End User	Location	Duration
Petrofac	Kuwait	2021

**300KV T LINK (P19015)**

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- **Scope:**
  - o 300kV Substation - Commissioning of Protection & Control System, ABB REx670, Siemens SIPROTEC5

End User	Location	Duration
Statnett	Norway	2019

**275/132KV TOMATIN SUBSTATION (P19014)**

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- **Scope:**
  - o FAT of control and protection panels
  - o Control system based on Zenon (Energy edition) with C264 as BCU

End User	Location	Duration
SSEN	UK	2019



### 800MW THERMAL POWER PLANT (P19013)

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- **Scope:**
  - o Protection and control system modification

End User	Location	Duration
Tirreno Power Vado Ligure	Italy	2019

### 132/10KV KYLLARED SUBSTATION (P19010)

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- **Scope:**
  - o Börås Substation General Commissioning

End User	Location	Duration
BORÄS ELNÄT	Sweden	2019

### 325MVA THERMAL POWER PLANT (P19008)

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- **Scope:**
  - o Commissioning of protection and control system

End User	Location	Duration
Dalahoo	Iran	2021

### 30KV SUBSTATION (P19003)

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- **Scope:**
  - o FT and FAT of MV Unigear Switchgear and protection and control system

End User	Location	Duration
Tep Tahiti	Turkey	2019



### 1137MVA THERMAL POWER PLANT (P19002)

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- **Scope:**
  - o Generator synchronisation system modification services

End User	Location	Duration
EP Produzione	Italy	2019

### 130/6KV AIS SUBSTATION (P19001)

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- **Scope:**
  - o Commissioning of protection and control system

End User	Location	Duration
SIOT	Italy	2022

### PAPER INDUSTRY FACILITY (P18046)

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- **Scope:**
  - o Energizing consultancy

End User	Location	Duration
DS Smith	Italy	2020

### PAPER INDUSTRY FACILITY (P18045)

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- **Scope:**
  - o ABB LON protocol, communication restoration

End User	Location	Duration
Lecta Group	Italy	2019

### 20/3,3KV SUBSTATION (P18043)

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- **Scope:**
  - o Yearly maintenance of protection/control system

End User	Location	Duration
Elektrarne RM d.o.o.	Slovenia	2019

### MFM 220KV (P18042)

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- **Scope:**
  - o Protection/control system engineering

End User	Location	Duration
EPM Colombia	Colombia	2018



### QAIA 400/132/33KV SUBSTATION (P18041)

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- **Scope:**
  - o Commissioning of complete of 400/132/33kV substation.

End User	Location	Duration
NEPCO	Jordan	2021

### 800MW THERMAL POWER PLANT (P18040)

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- **Scope:**
  - o Protection/control system modification

End User	Location	Duration
Tirreno Power Vado Ligure	Italy	2019

### GLASS INDUSTRY FACILITY (P18039)

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- **Scope:**
  - o Yearly maintenance of protection/control system

End User	Location	Duration
Vetriere Piegaresi - Piegara (PG)	Italy	2020

### INDUSTRY, RAFINERY, POWER SUPPLY SUBSTATIONS (P18037)

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- **Scope:**
  - o Commissioning of refurbished substation

End User	Location	Duration
Raffineria RAM	Italy	2018







### STORE STEEL FACTORY (P18035)

- **Scope:**
  - o Motor protection system, fault analyze

End User	Location	Duration
Petrol d.d.	Slovenia	2018

### ABB HVDC GOTLAND (P18031)

- **Scope:**
  - o Commissioning of COM500 (GWS) on HVDC station

End User	Location	Duration
Vattenfall	Sweden	2018

### 132/10KV EON SUBSTATION (P18029)

- **Scope:**
  - o Commissioning of 132/10kV SS included ABB P&C Terminals

End User	Location	Duration
Vattenfall	Sweden	2018

### 500MVA THERMAL POWER PLANT (P18027)

- **Scope:**
  - o BCU logic modification and testing

End User	Location	Duration
TERNA	Italy	2018

### 3.3 KV POWER PLANT SWITCHGEAR (P18026)

- **Scope:**
  - o Commissioning of protection system
  - o Engineering of protection units

End User	Location	Duration
Elektrarne Rm d.o.o	Slovenia	2019

### SIEMENS SIPROTEC 5 TRAINING (P18025)

- **Scope:**
  - o SIEMENS SIPROTEC 5 relays engineering training

End User	Location	Duration
Litgrid	Lithuania	2018

### 1137MW THERMAL POWER PLANT (P18024)

- **Scope:**
  - o Generator synchronisation system modification services

End User	Location	Duration
EP Produzione	Italy	2018

### HYDRO POWER PLANT AVCE (P18022)

- **Scope:**
  - o ABB COM500 upgrade
  - o Engineering of additional communication line

End User	Location	Duration
SENG	Slovenia	2020



**WILD CAT DATACENTRE  
150/20/0.4KV SUBSTATION (P18020)**

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- **Scope:**
  - o Engineering and commissioning of MV protection/control system

End User	Location	Duration
Apple	Denmark	2021

**400/220KV SUBSTATION, HORNSEA (P18019)**

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- **Scope:**
  - o Commissioning of protection system

End User	Location	Duration
Ørsted	UK	2018

**40/10KV SUBSTATION (P18018)**

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- **Scope:**
  - o Commissioning of ABB Switchgear with IEDs from Schneider

End User	Location	Duration
Vattenfall	Sweden	2018

**IED DELIVERY (P18015)**

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- **Scope:**
  - o Supply/engineering of protection and control IEDs for MV switchgear

End User	Location	Duration
Elektro Celje	Slovenia	2018



**RACEBANK WINDPARK ONSHORE/OFFSHORE SUBSTATIONS,  
NORFOLK OFFSHORE SUBSTATIONS (P18014)**

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- **Scope:**
  - o Replacing and testing Siemens Siprotec 5 BCU units

End User	Location	Duration
DONG	UK	2018

**10KV EON SUBSTATION (P18011)**

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- **Scope:**
  - o Protection testing on MV switchgear

End User	Location	Duration
EON	Sweden	2018

**CASPIAN POWER PLANT (P18010)**

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- **Scope:**
  - o Commissioning and start up of 4 protection panels related to Generator and Transformer

End User	Location	Duration
ANSALDO	Iran	2018

**AIRPORT SUBSTATION (P18006)**

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- **Scope:**
  - o Protection/control system and service

End User	Location	Duration
Malpensa airport	Italy	2021



### ABB RELION TRAINING (P18005)

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- **Scope:**
  - o ABB PCM2.8 and relion relays basic training

End User	Location	Duration
Various companies	Lithuania	2018

### 220/66KV MOBILE SUBSTATION (P18002)

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- **Scope:**
  - o Micom protection relay engineering

End User	Location	Duration
MOSS	Lybia	2018

### HURVA AND BARKYRD ONSHORE, 2X 600MW HVDC CONVERTER STATIONS (P18001)

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- **Scope:**
  - o IGBT exchange and testing

End User	Location	Duration
Svenska Kraftnät	Sweden	2018

### 220/66KV WIND PARK OFFSHORE SUBSTATION, EAST ANGLIA 1 (P17032)

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- **Scope:**
  - o FAT support of protection/control system

End User	Location	Duration
ScottishPower, Renewables and Vattenfall	Romania, Spain	2018



**SIEMENS SIPROTEC 5 TRAINING (P17028)**

- **Scope:**
  - o SIEMENS SIPROTEC 5 relays basic training

End User	Location	Duration
Various companies	Lithuania	2017

**STORE STEEL FACTORY (P17025)**

- **Scope:**
  - o Protection system consulting services

End User	Location	Duration
Petrol Energetika	Slovenia	2017

**220KV SUBSTATION (P17027)**

- **Scope:**
  - o Engineering of extention of BBP system

End User	Location	Duration
SNEL	Congo	2017

**110/35KV MOBILE SUBSTATION (P17024)**

- **Scope:**
  - o FT and FAT of protection, control and aux system.

End User	Location	Duration
Lydian Armenia	Sweden, Armenia	2017

**700MW POWER PLANT (P17026)**

- **Scope:**
  - o Generator Protection Refurbishment

End User	Location	Duration
Orsted	Denmark	2018

**HYDROPOWER PLANT HE PLAVE (P17021)**

- **Scope:**
  - o Engineering of ABB protection terminals
  - o System operator training
  - o Engineering personnel training
  - o FT, FAT, SAT

End User	Location	Duration
SENG	Slovenia	2018



### 110/20KV SUBSTATION KITKA (P17020)

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- **Scope:**

- Engineering of protection terminals
- SAS MicroSCADA system engineering
- FT and FAT
- SAT

<b>End User</b> KOSTT	<b>Location</b> Kosovo	<b>Duration</b> 2019
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### 375MVA THERMAL POWER PLANT (P17010/P17019)

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- **Scope:**

- Engineering of protection and synchronizing terminals
- SAS system engineering
- FT and FAT

<b>End User</b> CEPC	<b>Location</b> Italy, Egypt	<b>Duration</b> 2017
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### ALUMINIUM FACTORY - SUBSTATION (P17018)

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- **Scope:**

- Engineering of ABB protection terminals
- FT, FAT, SAT

<b>End User</b> TALUM	<b>Location</b> Slovenia	<b>Duration</b> 2017
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**RAMPION ONSHORE SUBSTATION (P17017)**

- **Scope:**

- o SAT of ABB protection system
- o SAT of primary equipment

End User	Location	Duration
EON	UK	2017/2018

**DOLWIN3 (GAMMA), NORTH SEA, 900MW OFFSHORE HVDC CONVERTER STATION (P17014)**

- **Scope:**

- o Commissioning and SAT of SAS based on Zenon Energy Edition (Copa Data) HMI and remote control for GE HVDC Station

End User	Location	Duration
Tennet	Germany	2021

**132/46KV SUBSTATION REFURBISHMENT (P17013)**

- **Scope:**

- o SAT management
- o Overall commissioning

End User	Location	Duration
Vattenfall	Sweden	2019

**132KV SUBSTATION (P17009)**

- **Scope:**

- o Protection/Control IED engineering

End User	Location	Duration
SEC	KSA	2017

**CROSRAIL PROJECT, WALNEY, RACE BANK, GALLOPER - OFFSHORE/ONSHORE SUBSTATIONS (P17008)**

- **Scope:**

- o Substations Pudding Mill (AIS), Stepney Green (GIS) and Plumstead (GIS), commissioning and SAT of protection system
- o Galloper, Onshore substation Sizewell, Commissioning and SAT of control system based on DS AGILE
- o Walney, Commissioning and SAT of 220/34 kV GIS and protection system (offshore & onshore)
- o Race Bank, Commissioning and SAT of 220/34 kV GIS, protection and control system based on DS AGILE

End User	Location	Duration
London Rail / Dong Energy	UK	2017

**VARIOUS SUBSTATIONS (P17007)**

- **Scope:**

- o Commissioning of control and protection system

End User	Location	Duration
KOSTT	Kosovo	2017

**400/220KV SUBSTATION (P16011)**

- **Scope:**

- o Delivery, FAT and SAT of ABB control system BCU
- o SAS MicroSCADA system upgrade from 8.4.4. to latest version

End User	Location	Duration
Transelectrica	Romania	2018



**HYDRO POWER PLANT 330/17,5KV SUBSTATION (P16005)**

- **Scope:**
  - o Configuring protection terminals
  - o Testing protection terminals

End User	Location	Duration
Zesco	Zambia	2016

**PIPELINE HEATING SYSTEM SUBSTATION (P16004)**

- **Scope:**
  - o Configuration of protection terminals
  - o SAS support
  - o FT and FAT

End User	Location	Duration
Khursaniyah	KSA	2016

**NORDBALT, KLAIPEDA - NYBRO, 700MW ± 300KV HVDC CONVERTER STATION (P15014)**

- **Scope:**
  - o SAT of HVDC station equipment including AC part control and protection, converter valves, capacitors, LVS system, etc...
  - o Commissioning manager deputy services
  - o SAT of modern, state of the art Station Control System (SCM) including HMI, remote control and supervision

End User	Location	Duration
Litgrid, Svenska Kraftnät	Lithuania, Sweden	2015/2016





**DOLWIN2 (BETA), NORTH SEA, 916MW ±320KV OFFSHORE  
HVDC CONVERTER STATION (P15001/P15006/P15007)**

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- **Scope:**
  - o FT and FAT of modern, state of the art Station Control System (SCM) including HMI, remote control and supervision.
  - o SAT of modern, state of the art Station Control System (SCM) including HMI, remote control and supervision.
  - o Trial Operation Management
  - o Nominated Person in Control of Electrical Installations (ALV)

<b>End User</b>	<b>Location</b>	<b>Duration</b>
TenneT	Sweden, German north sea	2015/2016

**DOLWIN1 (ALPHA), NORTH SEA, 800MW ±320KV OFFSHORE  
HVDC CONVERTER STATION (P14001)**

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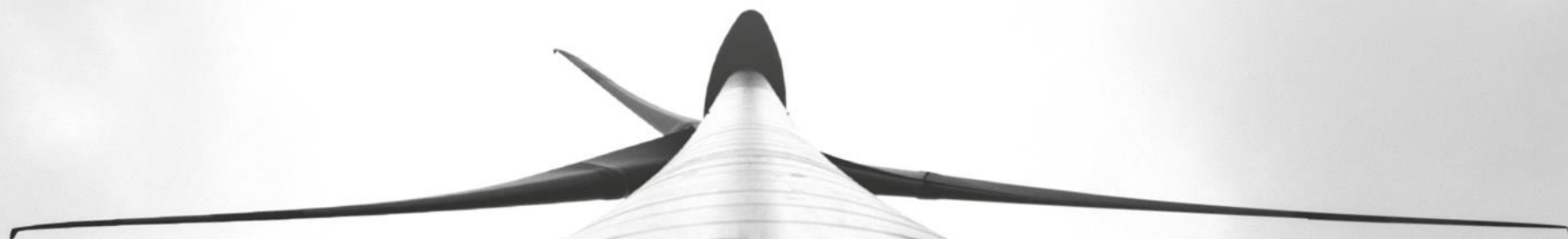
- **Scope:**
  - o Commissioning management
  - o Trial Operation Management and
  - o Nominated Personnel in Control of Electrical Installations (ALV)

<b>End User</b>	<b>Location</b>	<b>Duration</b>
TenneT	German north sea	2015/2016



# acinel

COMPANY REFERENCES



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