



موننکو ایران
Monenco Iran

Infrastructure Division



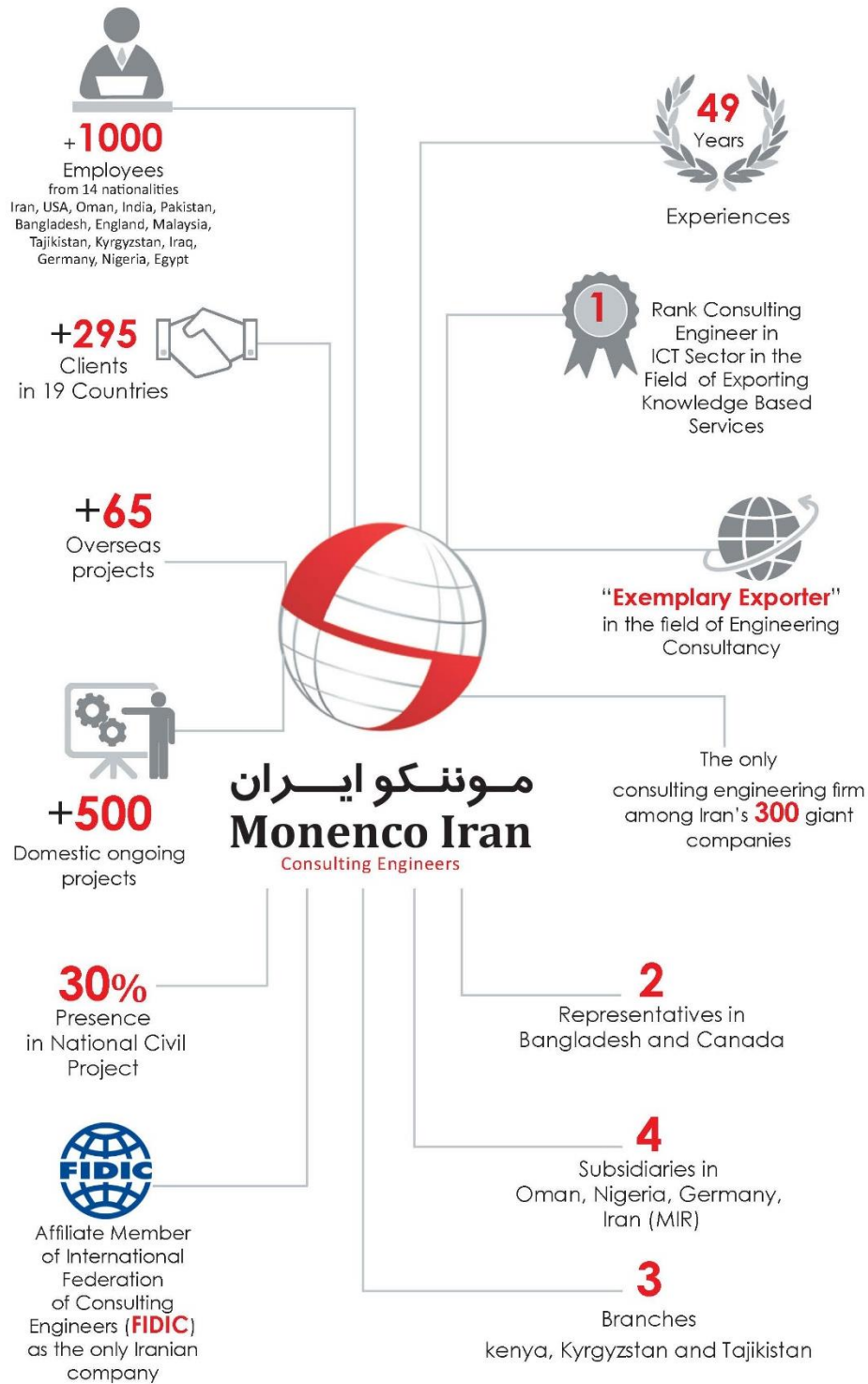
**Power Substation
Department**

www.monencogroup.com
info@monencogroup.com

Table of Contents:

- Monenco at a Glance
- About Us
- Fields of Activities
- Consultancy & Engineering Services
- Infrastructure Division
- Power Substation Department
- Power Substation Department – Areas of Activities
- Power Substation Department – Significant Achievements
- Power Substation Department - Software Capabilities
- Power Substation Department - Key Personnel
- Power Substation Department - Major Projects
- Power Substation Department - Overseas Clients

Monenco Iran at a Glance





www.monencogroup.com





www.monencogroup.com





+ 49
Years Experiences

+ 350
Employers

+ 80
Domestic & Overseas Clients

+ 200
Domestic & Overseas Ongoing
Projects



www.monencogroup.com



مونکو ایران
Monenco Iran

Power Substation Department

The Power Substations Department is responsible for consultancy and engineering services of Power Substations and offers engineering services related to the design, design review, site supervision, and project management of new or existing Power Substations.

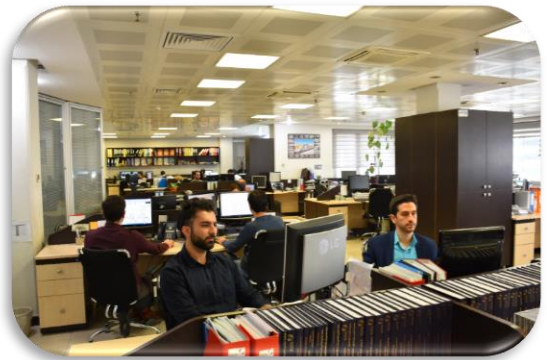
Having over 49 years of substation design experience, the essential technical knowhow and Design Guide Lines (DGL), and expertise for designing and supervising power substations has enabled this Business Unit to undertake different types of projects (industrial, cooperative, based funding or finance, investor-owned, etc.) at the lowest cost, with the highest quality and within a timely manner.

Power Substation Department consists of six fields of activity:

- Protection & Control
- High Voltage Equipment
- Transformer & Reactor
- Power System Analysis
- Electrical & Mechanical Utilities
- Project Management and Control



Mr. Hojat Dezfali
Department Manager



Power Substation Department – Areas of Activities



GIS Substations



Power Transformers &
Reactors



AIS Substations



Digitalization



Asset Management



Power System Studies



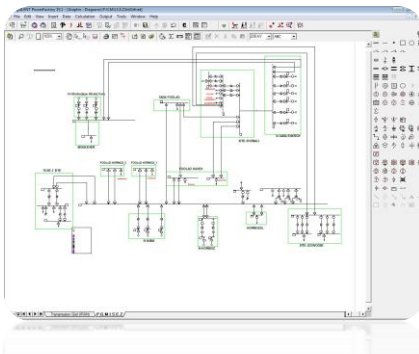
Power Substation Department – Significant Achievements

- 1 Optimization and operation services in power substations preventive maintenance (PM)
- 2 Doing unmanned of power substations
- 3 Using of Virtual Reality and Augmented Reality in design and implementation of power substations
- 4 Engineering services in optimization, development and reconstruction of power substations
- 5 Studies, configuration, regulations and coordination of protection systems and devices in all voltage levels
- 6 Power systems studies in transient states
- 7 Design of Converter & Inverter Station/Earth Electrode in HVDC systems until $-/+500\text{kV}$
- 8 Implementation of modern methods of financial management
- 9 Studies about getting international loans in projects
- 11 Preparation of 3DS As Built Drawing for power substations with using 3D laser scanner
- 11 Preparation of contractual models for special conditions in prominent projects based on FIDIC, World Bank & Development Banks models

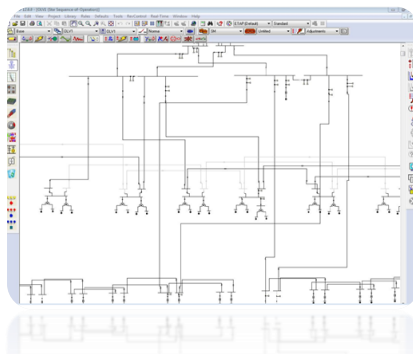


Power Substation Department - Software Capabilities

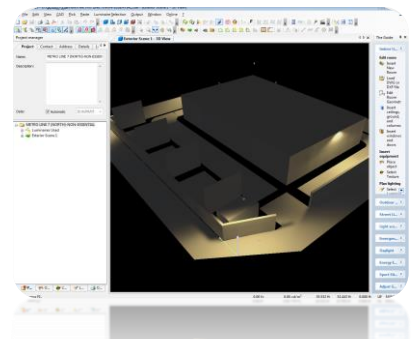
Power Substation Department's engineers have extensive experience of many different types of software, software development, and programming. The following list details a few of the power system analysis packages, and coding languages, our engineers have used on a regular basis. However, we can always apply our expertise to new packages should there be a client



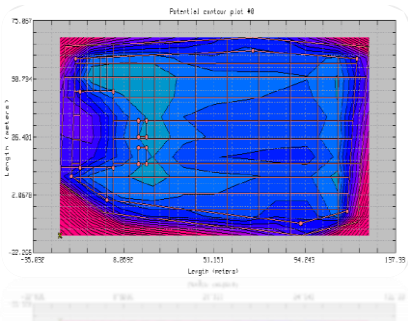
DigSILENT Power Factory



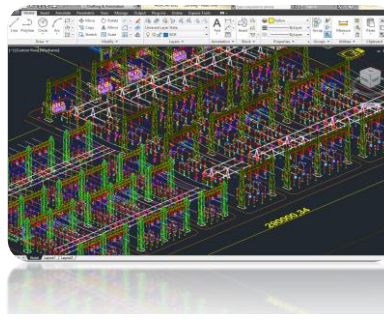
ETAP



DIALUX



CYMRD



AUTOCAD



Autodesk 3DS Max



Power Substation Department - Key Personnel

S.N.	First Name	Last Name	Expertise and Professional Services in projects/ Position	Education	Professional Experiences
1	Hojat	Dezfuli	Manager of HV Substation Department	B.Sc.	16
2	Davod	Hasanifar	Technical Head of HV Substation Department	M.Ss.	21
3	Aliakbar	Kosari	Technical Head of Protection, Control and Substation Automation Specialist	B.Sc.	23
4	Baharak	Daneshnia	Technical Head of HV & GIS	B.Sc.	23
5	Mohamadmir	Javdani	Project Manager	B.Sc.	30
6	Mehrab	Tahmasebi	Project Manager	M.Sc.	18
7	Abolfazl	jafari	Project Manager	M.Sc.	16
8	Hosna	Karimi	Project Manager	B.Sc.	12
9	Sina	Emrani	Transformer & Reactor Specialist	M.Sc.	13
10	Ali	Ghobadi	HV & GIS Specialist	B.Sc.	16
11	Shahram	Montazeri	Protection, Control and Cable Specialist	B.Sc.	16
12	Ahmad	Hoseini	Protection, Control and Cable Specialist	M.Sc.	7
13	Mohamad	Moradi	Telecommunication and SCADA Specialist	B.Sc.	18
14	Alireza	Nabatchian	Substation O&M Expert	B.Sc.	23
15	Somayeh	Mehri	Substation O&M Expert	M.Sc.	19
16	Katrin	Khorsand jalali	Draft Man	A.D.	16
17	Azim	Moadab	3D Draft Man	Diploma	16



Power Substation Department - Major Projects

S.N.	Project Title	Country	Year
1	Five substations includes: {HOSNIJEH(400/63kV), HARAND(400/63kV), FARADONBEH(400/63kV), SEMIROM(230/63kV), LENJAN(230/63kV)}	Iran	2013 2018
2	LORDEGAN 400/63kV substation	Iran	2014 2017
3	MOBAREKEH steel Company's 400kV switching AIS substation	Iran	2016 2017
4	Consultancy services for design and site supervision of KHATOON ABAD (400/132kV) (with compensation by shunt reactor)	Iran	2012 2017
5	Consultancy services for design and supervision of 400/132kV NAHADAH grid station along with associated OHL	Oman	2019 2022
6	Engineering services for implementation of 132kV network reinforcement works, 33kV capacity expansion works and transmission & distribution system improvement works for SAADA substation	Oman	2013 2014
7	Consultancy services for design and supervision of new 132kV grid stations at DIL Abdusalam (DAS) and Suwaiq	Oman	2015 2017
8	Consultancy services for new 132kV double circuits lines from Rustag-Alawabi-Nakhl with a new 132/33kV GS at Al Awabi	Oman	2015 2018
9	Consultancy services for design and supervision of new 132/33kV Ghala height GS and addition of third and fourth transformer at Ghala GS, Amerat GS and Airport heights GS	Oman	2015 2019
10	Feasibility study of Iran and Oman grids interconnection	Oman	2017 2019
11	CASA-1000 (500kV HVAC part) transmission line with two 500kV substations	Tajikistan	2016



Power Substation Department – Overseas Clients



Oman Electricity Transmission Company (OETC)



Dhofar Power Company S.A.O.C (DPC)



Barqi Tojik



National Electrical Grid of Kyrgyzstan



Kenya Electricity Transmission Company Limited (KETRACO)



Transmission Company of Nigeria (TCN)



Bangladesh Ministry of Power, Energy and Mineral Resources



Power Grid Company of Bangladesh Limited (PGCB)



Iraq Ministry of Energy



Bangladesh Rural Electrification Board (BREB)



Larsen & Toubro Limited

