



موننکو ایران
Monenco Iran

Infrastructure Division



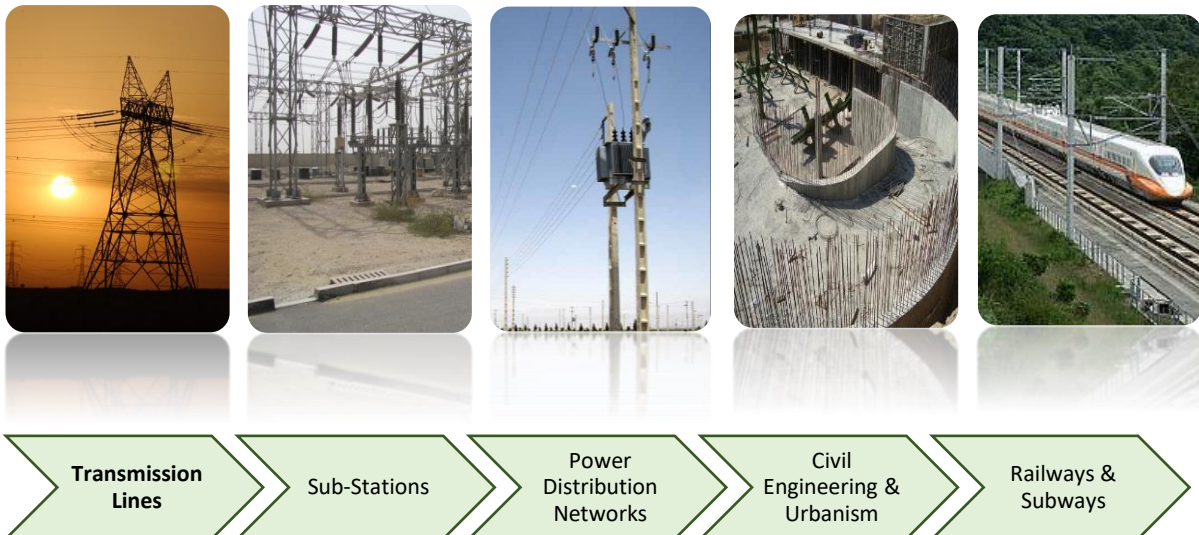
**Power Transmission
Lines Department**

www.monencogroup.com
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Infrastructure Division

Monenco Iran skills in the field of transmission lines and distribution extend from the design and modifications of existing infrastructure, improvements to grid stations and to major electrical transmission infrastructure design.

In this field, the division of Infrastructure by 5 departments has designed, consulted and supervised +/- 500 kV HVDC system, more than 28'000 km Transmission Lines up to 765 kV and Hot Line OPGW and more than 60'000 MVA Substations from 33 kV up to 500 kV and more than 100 master plan of distribution systems in major province and cities, street light planning & distribution network losses reduction studies and more than 400 km subway(metro) & railways.



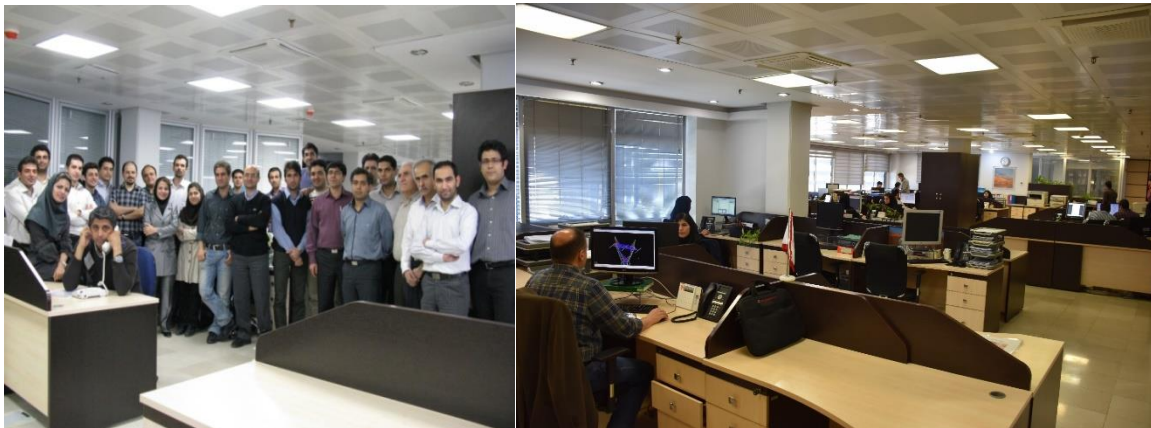
Power Transmission Lines

Power Transmission Lines Department offers consultancy, engineering and Supervision services in all stages of Transmission Lines projects including overhead lines, underground cables, OPGW, ADSS and Detail Design with economic studies. In addition, using the latest version of software such as PLS-CADD, PLS-Tower and PLS-Pole, also latest methods such as intelligent GIS system for selecting the best routes and surveying via (LiDAR) system enable us to reach the optimum design in our projects.

Services:



- Feasibility Studies
- Route selection
- Survey and Plan Profile Preparation
- Project cost estimation
- Concept and Basic design
- Technical specifications
- Tender documents
- Evaluation report
- Design review
- Tests Supervision



List of some main projects:

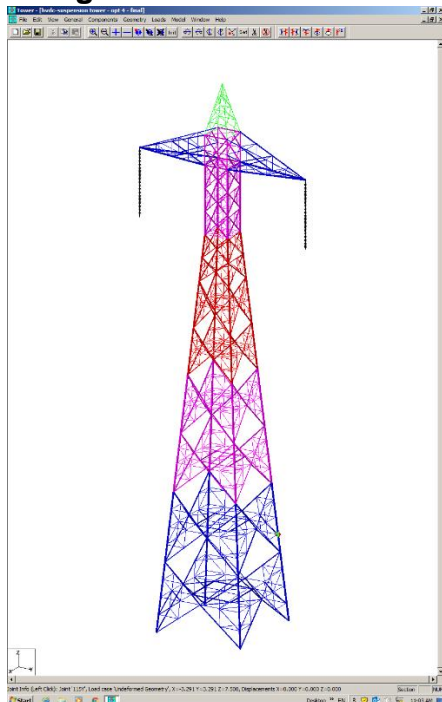


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- * Consultancy services for engineering design, and contract documentation, soil investigation and engineering survey for transmission lines and substations 400 & 220 & 132 kV - Engineering Services & Site Supervision (570 km) Kenya " 2019 In Progress"
- * CASA -1000 (500kV HVAC Part) Transmission Line with one substations extension, Engineering Services & Site Supervision (In Kyrgyzstan - 450 km) Kyrgyzstan " 2016 In Progress"
- * CASA -1000 (500kV HVAC Part) Transmission Line with two substations extension, Engineering Services & Site Supervision (In Tajikistan - 150 km) Tajikistan " 2016 In Progress"
- * System Study, Engineering consultancy and Site Supervision Services for Asalouyeh-Isfahan 765 kV Transmission Line and Substations (700km)Iran "2010 - 2018"
- * Project Engineering for 500 kV Golpaygan - Semnan HVDC Transmission Line (600 km) Iran "2012 - 2015"
- * Consultancy services for design and supervision of 400/132 kV NAHADAH GIS grid station along with associated 400kV OHL Oman" 2019 In Progress"

Design of 500kV HVDC Semnan – Golpayegan Lattice Tower by PLS-TOWER



765 kV TRANSMISSION LINE “Asalooyeh – Esfahan”

- *Country: Iran*
- *Length: 710 KM*
- *Surveying by LiDAR*
- *Transmission Towers Designed by PLS-Tower*
- *GIS Base Routing*
- *Tower Spotting by PLS-CADD*
- *Detailed Design*
- *Preparation of Plan & Profile*

