



Power Transmission & Distribution



MANNVIT
ENGINEERING



Power Transmission & Distribution

Since 1970, Mannvit has played a major role in the complete preparation, analysis, design, construction management and inspection of energy structures, high voltage transmission lines and distribution systems throughout Iceland. We enjoy an excellent working relationship with the National Power Company of Iceland who has entrusted us with much of the energy infrastructure development of the country.

Company specialists have extensive knowledge and experience in designing power transmission lines and electrical substations, as well as construction management during the installation of overhead transmission lines and underground power cables, and maintenance consultation.



The company is involved in more than just the design and planning elements of power transmission. Mannvit is also responsible for the on-site inspection, repair and maintenance of Iceland's 132kV power net, avalanche protection design and studies, environmental impact assessments, feasibility studies and quality control.

Mannvit specialists are experts in guyed towers due to long experience in very challenging conditions. Here in Iceland, we have to deal with seismic activity, stormy weather and icing. Guyed towers are less expensive and better suited to these extreme conditions.

Projects abroad include construction and maintenance consulting for power transmission lines in Greenland, Algeria, Peru and Surinam.

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Mannvit services:

- Routing and Planning
- Tower Spotting
- Feasibility Study
- Environmental Impact Assessments (EIA)
- Transmission Line and Tower Design
- Avalanche Protection and Seismic Design
- Tender Documents
- Contract Negotiations
- Construction Management
- Supervision and Commissioning
- On-site Inspection
- Repair and Maintenance

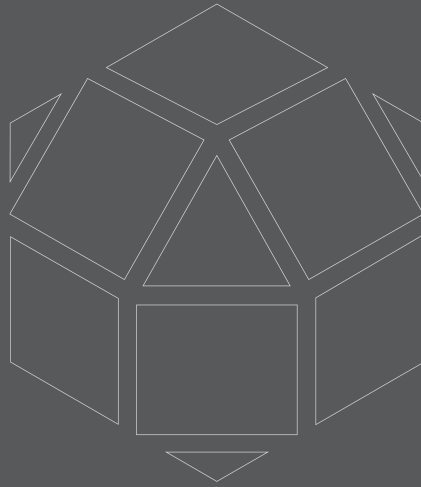
The company specializes in the following transmission line towers:

- Lattice steel guyed/self supporting towers
- M-type suspension towers
- V-type suspension towers
- Self supporting Towers
- Tension towers
- End Frames
- Tubular Towers
- Avalanche Towers
- Wood Poles
- Wood Pole H-frames



Additional information:

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Mannvit Engineering

Mannvit Engineering of Iceland was founded in 1963 and now employs a staff of approximately 400. The company provides a broad range of engineering and technical research services. Since the early seventies, Mannvit has been active in the area of renewable energy and has been involved in the development of most power plants in Iceland, both hydroelectric and geothermal. Services for these projects range from research and other preparatory work to complete design and construction management. Services have also included active participation in the development of Iceland's high-voltage transmission grid - up to 400 kV with substations.

The Mannvit **website**

Mannvit's corporate web site, www.mannvit.com contains further information and project examples for hydroelectric and geothermal power plants and overhead high-voltage transmission lines as well as contact information.



MANNVIT

DEDICATED TO THE DEVELOPMENT OF GREEN ENERGY

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