



HV & EHV TOWER DESIGN

Integrated engineering, manufacturing and construction support
from feasibility to commissioning

UP TO 550 kV

HV/EHV DESIGN
CAPABILITY

FULL LIFECYCLE

FEASIBILITY →
COMMISSIONING

IN-HOUSE

STEEL FABRICATION
WORKSHOPS

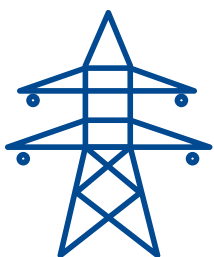
PROPRIETARY

TOWER DESIGN
DATABASE

EPC

PROJECT
SUPPORT

TRANSMISSION GRIDS



Omexom Business Units from Cegelec Maroc, part of VINCI Energies, delivers an integrated HV and EHV transmission tower solution covering the full project lifecycle, from feasibility studies and detailed engineering to in-house steel fabrication, construction support and commissioning. Backed by a proprietary tower design database and specialized engineering expertise up to 550 kV, Cegelec Maroc helps utilities and EPC contractors deliver safe, cost-optimized transmission infrastructure faster, with fewer interfaces and reduced project risk.



THE CHALLENGE

- Deliver safe, reliable, cost-effective HV/EHV designs across challenging terrain and climatic conditions
- Reduce steel quantities, project costs and engineering schedules
- Combine engineering, manufacturing and construction under one integrated offer
- Manage risk and ensure compliance with international standards and utility specifications



KEY BENEFITS

- Specialised engineering expertise up to 550 kV, scalable to higher voltages
- Extensive proprietary tower-family database, faster execution via proven designs
- Optimized steel consumption, significant cost savings
- In-house manufacturing, quality control, traceability, shorter delivery times

THE SOLUTION: HOW IT WORKS

Engineering Department: tower design & optimization, structural/electrical calculations, detailed engineering drawings, EPC project support

Proven in-house tower database minimizes new developments and accelerates delivery

Designs adapted to project-specific terrain and climatic constraints, compliant with international standards

High-capacity steel fabrication workshop: transmission towers, substation steelwork, equipment supports, platforms, custom structures



One integrated partner across the full transmission tower lifecycle, engineering, manufacturing, construction support and commissioning, reducing interfaces and project risk for utilities and EPC contractors.

OMEXOM

For any questions regarding this solution, please contact:

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Download the digital one-pager
by scanning the QR code.

Omexom is the energy infrastructure brand of VINCI Energies.