



# OMEXOM - A NEW TEMPORARY TOWER SOLUTION

Maintaining grid reliability during tower replacement and modernization

**RAPID**  
DEPLOYMENT

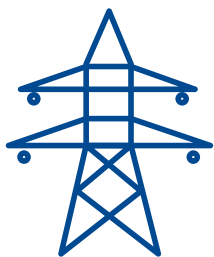
**17**  
MODULAR  
COMPONENTS

**4M/6M**  
MAST SECTION  
LENGTHS

**3**  
FOUNDATION  
SYSTEMS

**6 X 2,4M**  
MAX. COMPONENT

## TRANSMISSION GRIDS



Omexom's modular temporary tower solution for transmission line projects, enabling tower replacement, maintenance, and modernization without extended outages. With rapid deployment, flexible foundation options, and standardized components, it helps utilities maintain power supply, improve safety, reduce project risks and environmental impact, and modernize infrastructure efficiently while ensuring network reliability.



### THE CHALLENGE

- Extended shutdown periods required for refurbishment activities are often not feasible because of the high level of grid utilization
- Growing environmental constraints, land-use restrictions, and increasing urban development
- Conventional temporary bypass solutions are often project-specific, resource-intensive, and slow to deploy or not available in emergency cases



### KEY BENEFITS

- Enables tower replacement at the same location without long-term line outages
- Reliable power supply for critical networks
- Fast deployment with type-tested, modular designs
- Configurable up to 17 modules
- Enhanced safety with integrated climbing and installation systems
- Reduced environmental impact and ground disturbance

# THE FLEXIBL APPROACH

FlexiBL is part of Omexom's broader Modular Tower System platform and has been specifically designed for use in Deutsche Bahn's 110kV-transmission grid.

Design



Deploy



Replace



Restore

## Modular Tower System

Available for one or two 110-kV circuits and 380-kV transmission projects.

## Flexible Foundation Solutions

Ballast frames, screw anchors and micropile grouting modules allow adaptation to varying ground conditions without extensive foundations.

## Fast Installation

Compact prefabricated components simplify transportation, logistics and assembly on site.

## Continuous Operations

Supports maintenance and modernization activities while minimizing disruption to network operations.

## TYPICAL USE CASE:

Temporary replacement of transmission line sections during maintenance and refurbishment works

Maintaining power supply continuity during the reconstruction or upgrading of existing overhead lines

Emergency restoration of transmission lines following storms, natural disasters, or infrastructure failures

Provision of temporary bypass lines during tower replacement or foundation rehabilitation projects

Rapid deployment of temporary transmission infrastructure for planned outages

# OMEXOM

For any questions regarding this solution, please contact:

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

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