

General presentation 2011



GA Magyarország

GA Magyarország Kft.



Energie und Kraftanlagen Group

Business focus



The companies in the Alpiq Anlagentechnik Group are **leading providers of infrastructure services for all aspects of energy generation and transmission** and for the network technology sector.



As a result of their market-oriented structure, all group companies offer top quality combined with reliability and **excellent value for money**.

Speed, flexibility and proximity to customers are the hallmarks of the group in Germany and Eastern Europe.



The Alpiq Anlagentechnik Group has been involved in the extension of energy supply infrastructure for more than 90 years. In that time it has made many **significant contributions to market development**. Regarding to her markets, the Alpiq Anlagentechnik Group is one of the **largest and most efficient suppliers to Germany and neighbouring countries**.

A modern group with a long track record



1916 1922

1990 1992

1996

2000

2009



1916:
Establishment of
Gesellschaft für
elektrische Anlagen

Energy Transmission Technology

Industrial & Power Plant Engineering



1922:
Establishment of
Kraftanlagen
Aktiengesellschaft



1992:
AGIV holds
70% of
shares in GA

1990:
AGIV holds
65% of
shares in
KAH

atel



Energie- und
Kraftanlagen

1996:
AGIV merges GA and KAH to
form the Energie- und
Kraftanlagen

2000:
Acquisition of Energie- und
Kraftanlagen by Atel (100%)

ALPIQ



Energie und Kraftanlagen Group

Key figures 2010

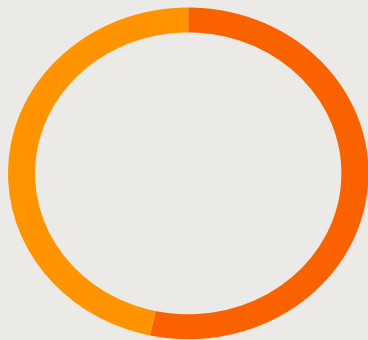


Net sales

in EUR million

Industrial and Power	
Plant Engineering	506,7
Energy Transmission	
Technology	441,8
Consolidation effects	-2,6

EuK Group 947,7

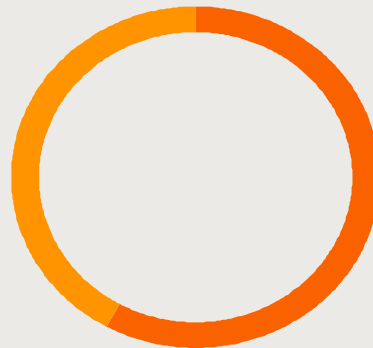


Order intake

in EUR million

Industrial and Power	
Plant Engineering	610,9
Energy Transmission	
Technology	457,1
Consolidation effects	-0,4

EuK Group 1.067,6

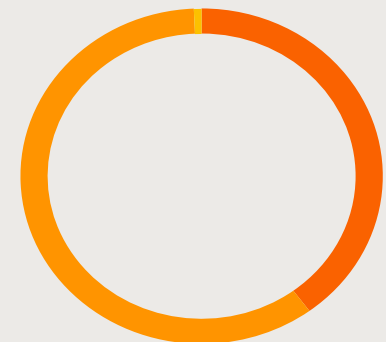


Employees

as at December 31st

Industrial and Power	
Plant Engineering	1.976
Energy Transmission	
Technology	2.946
Holding	34

EuK Group 4.956



Energie und Kraftanlagen Group Companies



Industrial & Power Plant Engineering



**Kraftanlagen
München**



**Kraftanlagen
Hamburg**



**Kraftanlagen
Heidelberg**



Foreign



**Kraftszer
Vállalkozási**



**Caliqua
Anlagentechnik**



**Kraftanlagen
Romania**

Energy Transmission Technology



**GA Energieanlagen
Süd**



GA Netztechnik



**GA Energieanlagen
Nord**



**Frankenluk
Energieanlagen**



**GA Hochspannung
Leitungsbau**

Foreign



GA Magyarország



GA Energo technik

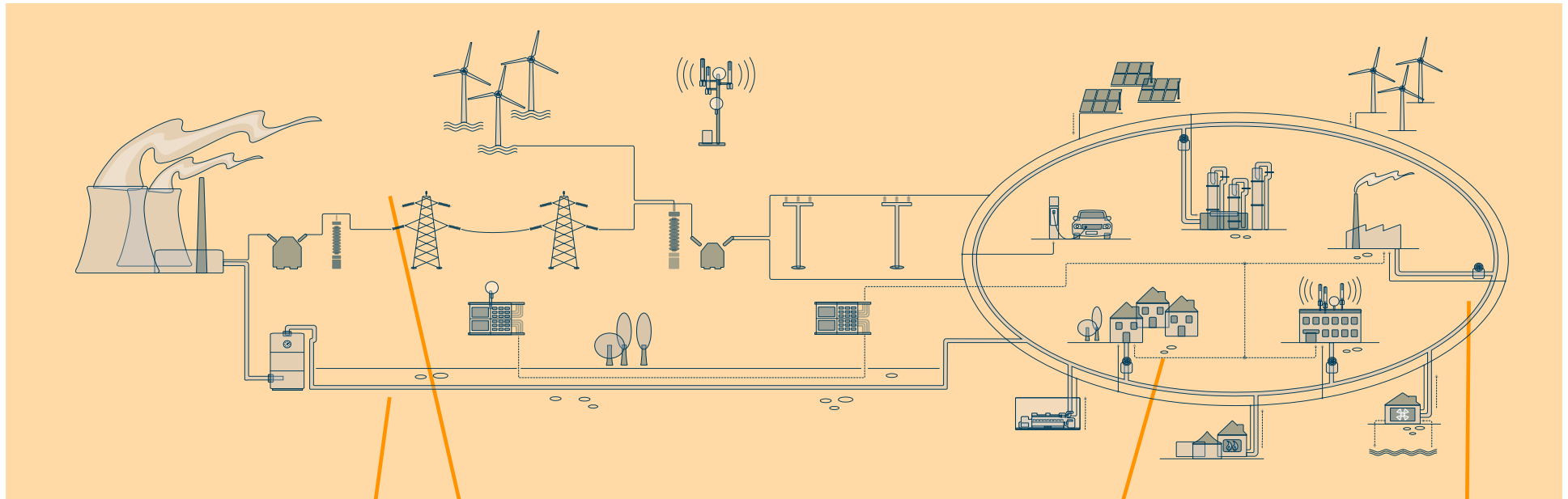


GA Austria



GA Slovensko

Energy Transmission and Distribution



Pipelines

- District heating networks
- Gas supply lines
- Water supply and sewerage networks
- Conduits

Transmission networks

- High-voltage overhead power lines
- High-voltage cable plants
- High-voltage switchgear

Distribution networks

- Medium and low-voltage overhead power lines
- Cable plants
- Transformer stations and energy control centres
- Lighting systems

Interdisciplinary system solutions

- House connections for gas, water, power and communications
- Documentation

Energie und Kraftanlagen Group Companies



Industrial & Power Plant Engineering



Foreign



Energy Transmission Technology

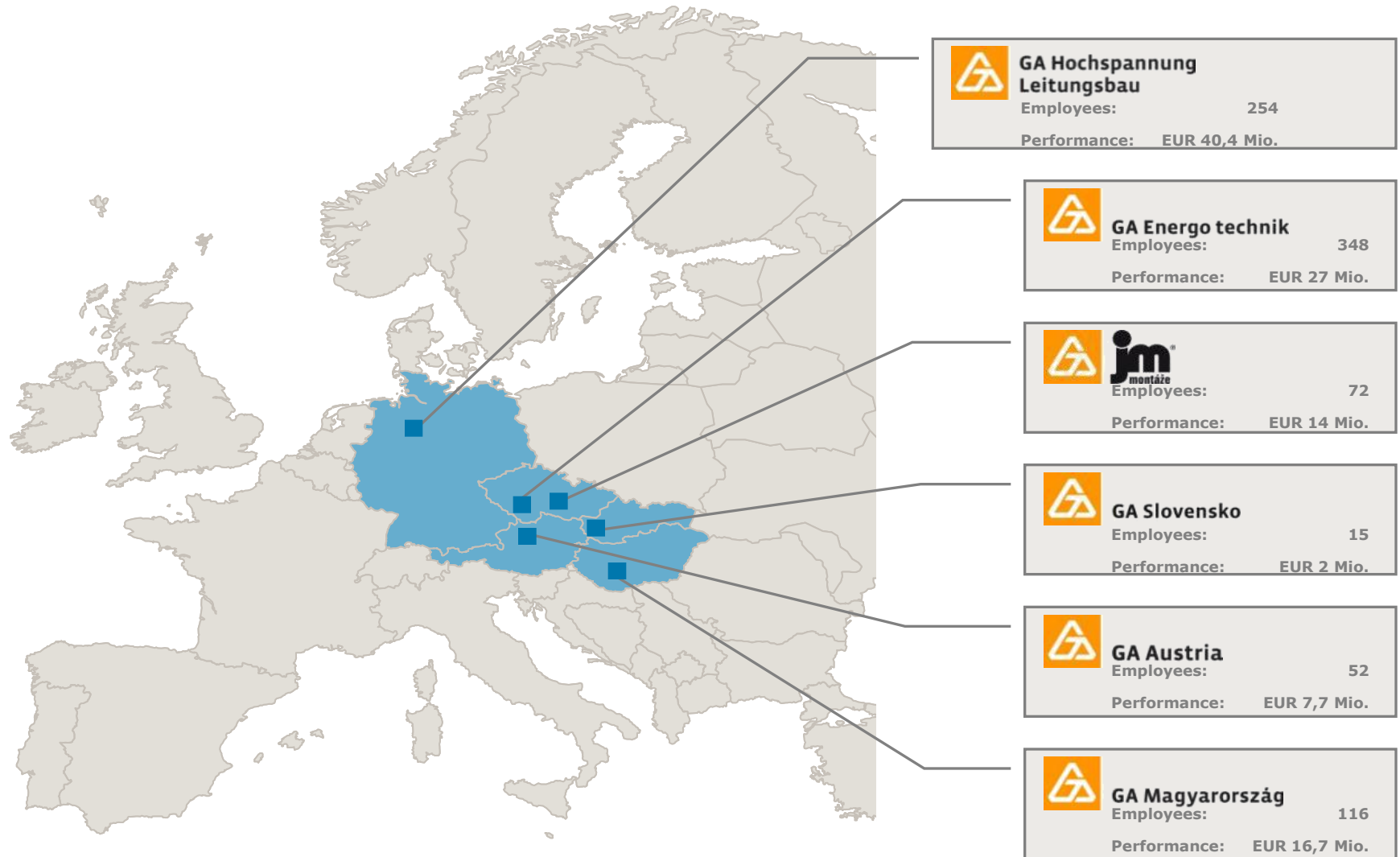


Foreign



Energy transmission and distribution division

Locations in Central Europe





A young company with competent experience on the Hungarian electrical and communication principal contractor market

More than 90 years long experience as a member of EuK Group

Energy transmission, distribution and telecommunication network technology

116 employees, 16,68 M€ turnover (2010)

Stable economy position

GA Magyarország Kft

Ownership structure



Alpiq Holding Ltd.

Olten/Schweiz

10.205 M€ revenue/year

11.033 employees

33 Countries in Europe

Alpiq Anlagentechnik Heidelberg GmbH

Heidelberg

947,7 M€ revenue/year

4.956 employees

10 Countries in Europe



GA Hochspannung
Leitungsbau

40,35 M€ revenue/year

254 employees

Mostly in Germany



GA Magyarország

16,68 M€ revenue/year

116 employees

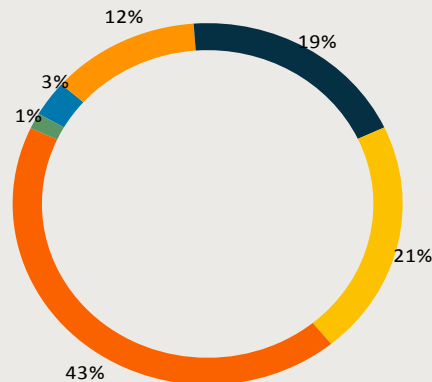
Mostly in Hungary



Turnover distribution by departments

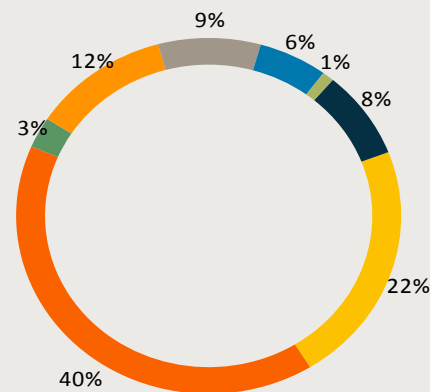
in million EUR **16,7**

- HV cable
- HV overheadline
- HV apparatus
- Central region
- East region
- GIS



Turnover distribution by customer

- ELMŰ Hálózati Kft
- ÉMÁSZ Hálózati Kft
- ELMŰ-ÉMÁSZ Hálózati Szolgáltató Kft
- eDF Démász
- Iberdrola Magyarország Kft
- E.ON Hungária csoport
- OVIT ZRt.
- Other

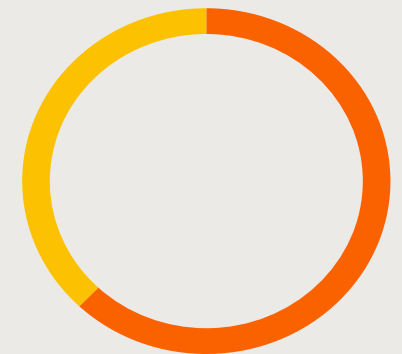


Employees

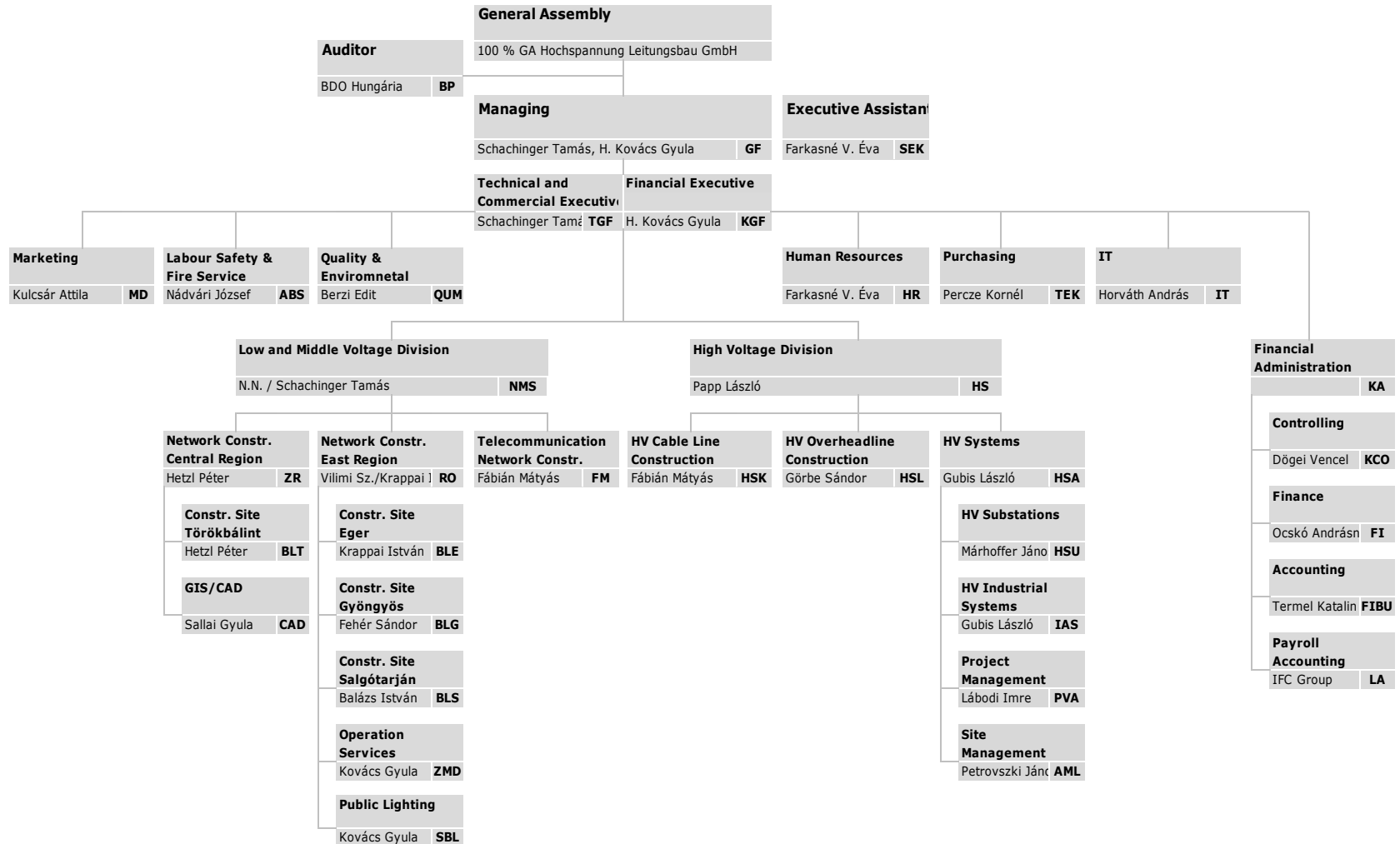
Workers **72**

Administratives **44**

Total 116

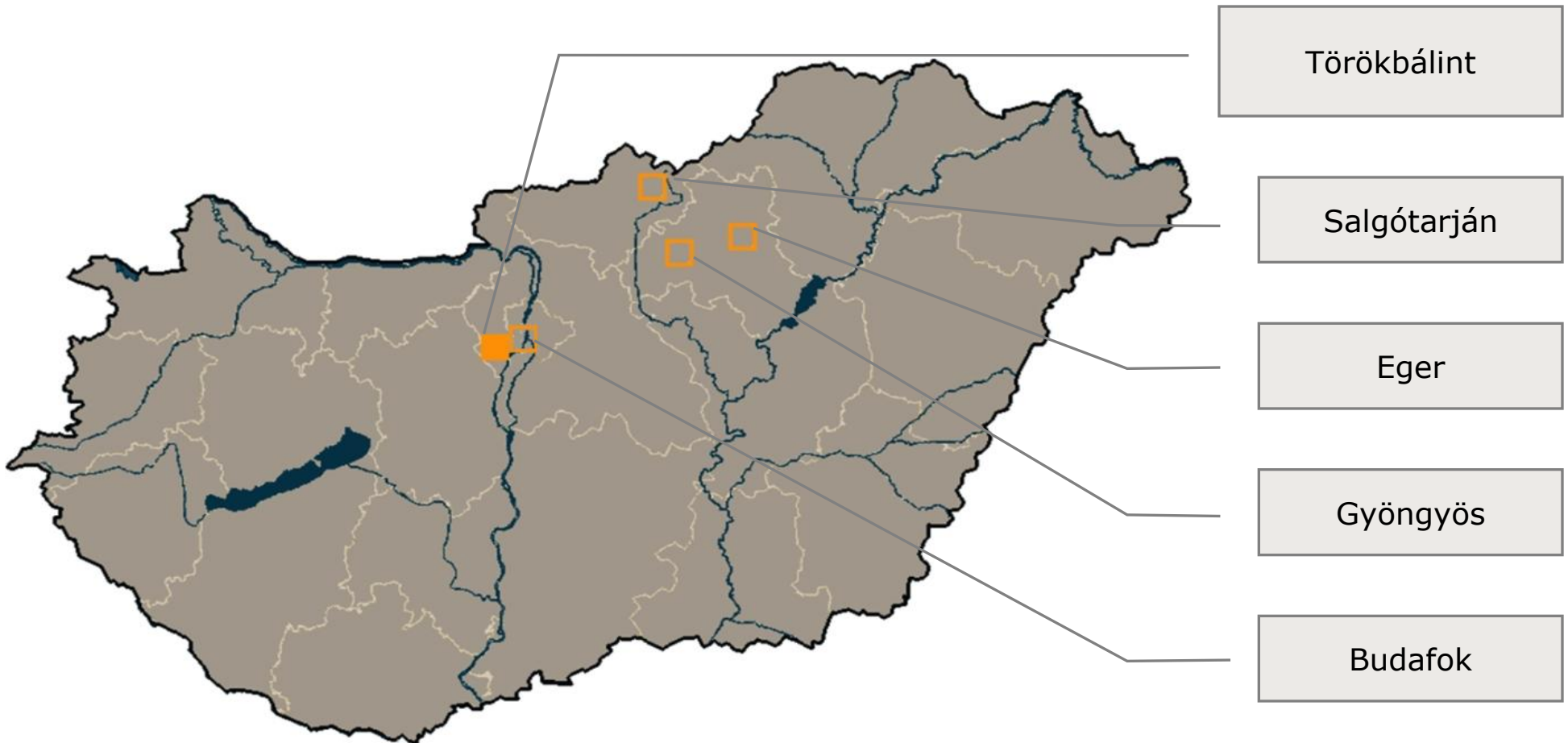


GA Magyarország Kft Organization Chart



GA Magyarország Kft

Locations





Static, planning and projecting

- Tower calculations
- Foundations
- Refurbishment/Reconstruction
- Studies and expertises
- Measuring, laser scanning
- ESPoT
- Right of way planning
- Landscape conservation and environmental planning
- Calculations of immission
- Detailed design



High-voltage switchgear

- Technical advice
- Budget planning
- Achievement of permissions
- Preliminary design
- Specifications and BoQs
- Planning and construction of secondary and primary technique
- Calculation, valuation and verification
- Documentation



Overhead-power lines

- Overhead power lines 10 to 400 kV
- Foundation, tower erection and stringing
- Reconstruction
- Own emergency tower system



Cable plants

- Technical advice
- Planning, plotting, calculation, dimensioning
- Supply and cable-laying
- Assembly of components
- Cable diagnostics up to 150kV
- Project management
- Control and measurement
- Documentation





MV, LV overhead power lines

- Planning
- Achievement of permissions survey
- Building, reconstruction and extension (under life-line conditions up to 36kV)
- Fiber optic cable laying
- Repair, maintenance, malfunction prevention



MV and LV cable plants

- Planning
- Achievement of permissions survey
- Building, reconstruction and extension (up to 1 kV under voltage)
- Repair, maintenance, malfunction prevention
- Failure location, diagnostics



Industrial plant engineering

- Medium/low voltage transformer stations and switchboards, equipment
- Capacitor banks for reactive power compensation
- Power and controlling cable laying and installation
- Installation, putting into operation, maintenance, reconstruction, retrofit



Lighting systems

- Street- and public lighting
- Floodlight devices
- Building and monument lighting
- Planning, delivery, installation, maintenance, inspection, fault correction, operation and documentation



Key account customers

GA Magyarország and GA-HLB



ÉMÁSZ

ELMŰ



50HERTZ



transpower
stromübertragungs gmbh

tennet 

VORWEG GEHEN



— EnBW

ABB

e-on | Netz

e-on | Avacon

ALSTOM

e-on | Climate & Renewables



SIEMENS

Company philosophy

GA MAGYARORSZÁG KFT =
widespread qualitative and
environment-conscious service
from one hand



Contact



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