

# GENS

Energising your network by  
designing innovative solutions

Global Energy Network  
Solutions

# Global Energy Network Solutions

- Specialize in providing world-class innovative solutions in the fields of Business & Technical consultancy
- Advise and support organizations along the energy value chain.



**GENS**

Global Energy Network  
Solutions

## Where located ?



Headquarters and  
production facility  
in  
Antwerp, Belgium

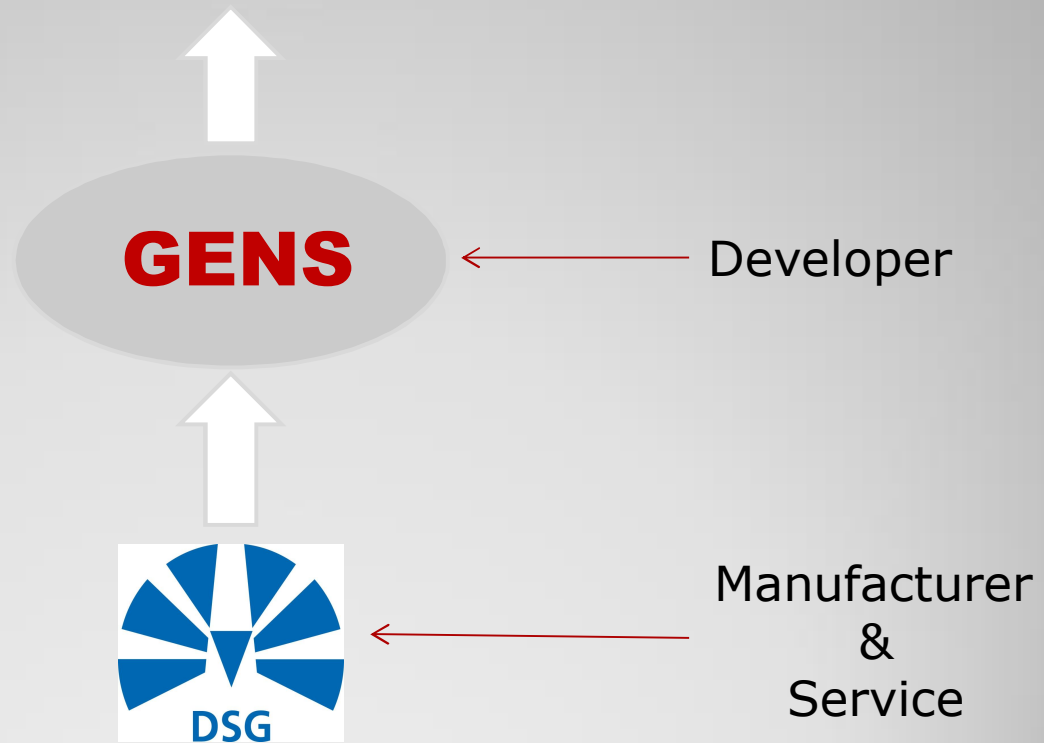


**GENS**

Global Energy Network  
Solutions

# Association Gens – DSG

International Projects



**GENS**

Global Energy Network  
Solutions

# Global Power Experience



Power  
generation



Sub  
Stations



Distribution

**GENS**

Global Energy Network  
Solutions

# Power Generation



## Conventional

- Diesel – HFO – Crude oil
- Gas – Natural or LNG
- Coal
- Steam Turbines



## Renewable

- Small - Hydro
- Wind
- Solar
- Bio-mass

**GENS**

Global Energy Network  
Solutions

# Sub – Stations



- Fix Sub-stations upto 400 kV
- Semi –Mobile ( containers )
- Mobile

- Single Phase Transfo
- Three Phase Distribution Transfo
- Power Transformers upto 85 MVA



**GENS**

Global Energy Network  
Solutions

# Distribution



- LV - MV & HV
- Distribution panelboards



- Transmission Lines
- Conductors – Earthwire
- MV- HV cables
- Accessoires

**GENS**

Global Energy Network  
Solutions



# Service Provider

- Operation & Maintenance ( O&M ) agreement
- Technical Support agreement
  - “ Management support
  - “ Supervision
- Upgrade and Rehabilitation of existing Power Plants Sub-stations or Distribution network



**Tailored service for your equipment**

**GENS**

Global Energy Network  
Solutions

## Project Types

- Projects in countries with established regulation with obligation to take and pay.
- ≤ 500 MW range with focus on reliability, cost-efficiency and environmentally friendly solutions.
- Tender projects with long-term Power Purchase Agreements (PPAs)

## Project development

- Establishment of the contractual framework needed in international private power projects.
- Gens undertakes the complete range of project development from conception to financial closure, including: Financial engineering including raising debt and equity

# Financial Engineering

- GENS has extensive experience advising on competitive financing solutions for our clients including export credits and non-recourse project finance arrangements.

Over the years GENS has built strong ties to:

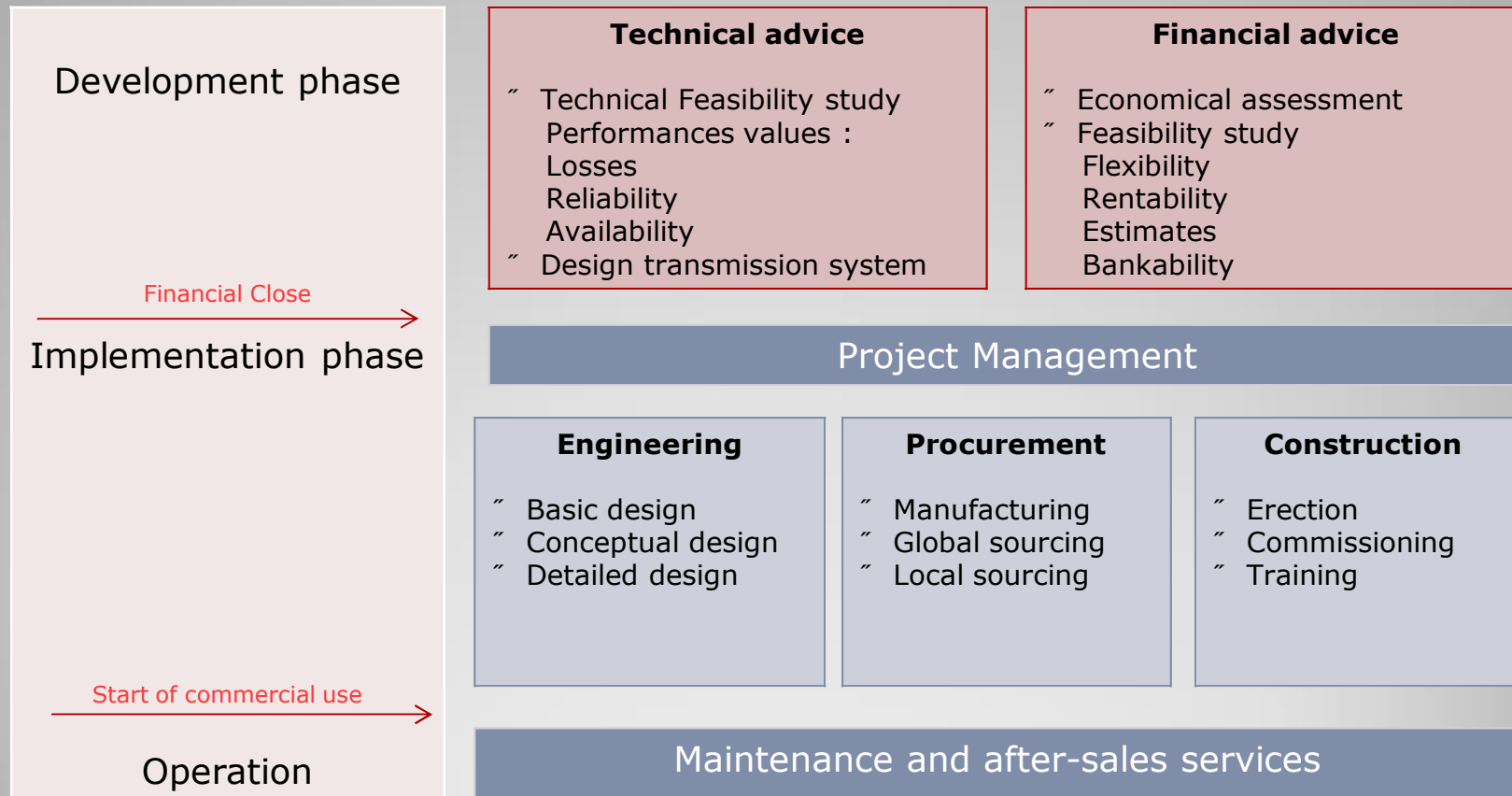
- **Lending institutions :** including international commercial banks, development finance institutions and multilateral finance institutions
- **Equity providers:** including private investors, institutional investors and development finance institutions
- **Risk insurers:** including the Belgian Export Credit Agency (Delcredere) and private insurers.

**GENS combines our state-of-the art technology with tailored financial solutions.**

**GENS**

Global Energy Network  
Solutions

# Project Development – Implementation - Operation



# Years to construct Power Plants

Type of Power Plant	Years to Construct
Coal	5 to 6 years
Hydropower	5 years
Geothermal	5 to 6 years
Turbines	3 to 4 years
Wind	4 years
Fossil Fuel Engines power plant	1 to 2 years

**GENS**

Global Energy Network  
Solutions

# Success Factors

- Fuel flexibility
- Competitive capital cost
- Emission compliance
- Reliability & Availability
- High electrical efficiency
- Local Partners / investors with extensive regional knowledge



**GENS**

Global Energy Network  
Solutions

# GENS

Energising your network by  
designing innovative solutions

Gens Bvba  
Koestraat 12  
2270 Herenthout  
Belgium  
Tel: +32 493.09.02.52  
E-mail: [said.ouhida@gens-world.com](mailto:said.ouhida@gens-world.com)

Global Energy Network  
Solutions