



Your trusted partner for more than 1.000
**HYDROPOWER &
ENERGY PROJECTS**
worldwide

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Multiconsult

BUSINESS ETHICS AND COMPLIANCE

SUSTAINABLE VALUE THROUGH LONG TERM APPROACH

- Strong management focus in sales and execution
- Integrated approach with local partners
- Low level of corruption in Norway (6th in Transparency int. CPI ranking)



Code of Conduct and Ethics Council

Best Practice policies and procedures

Whistleblowerportal and helpline

Due diligence and supply chain management

Risk management and control

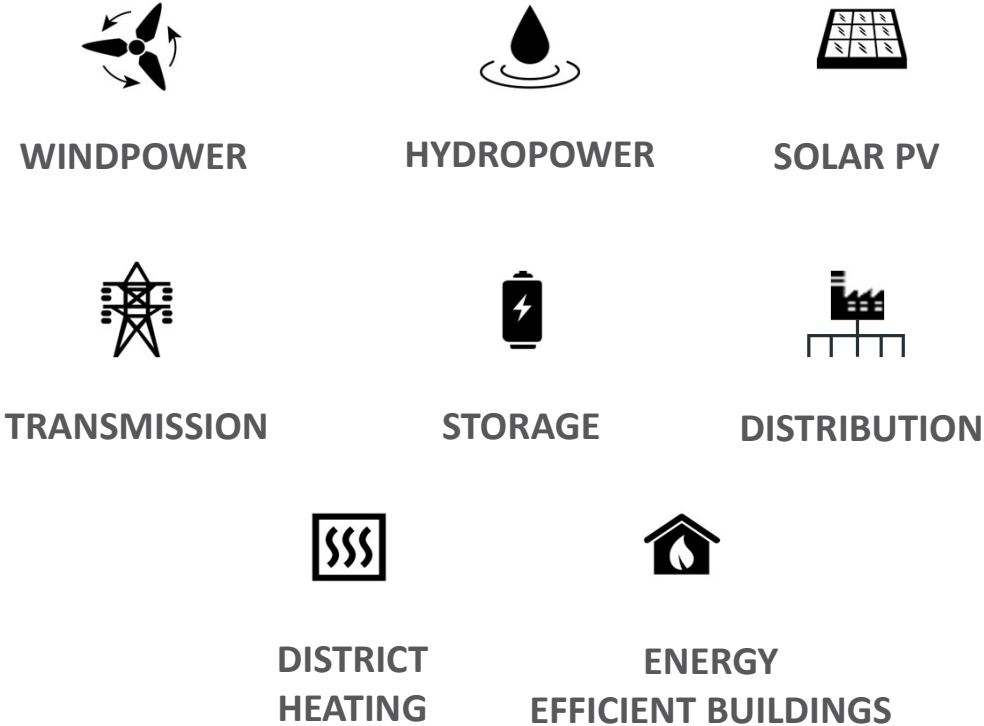
Training and guidance

Monitoring and audits

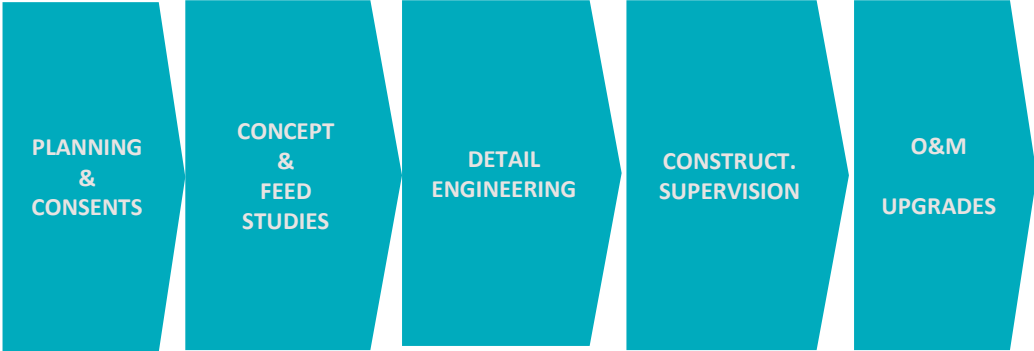


RENEWABLE ENERGY BUSINESS AREA

FULL VALUE CHAIN AND SUPPORT IN ALL PROJECT PHASES



PROJECT MANAGEMENT & CONTROL | OWNERS ENGINEERING



ENVIRONMENTAL & HSE COMPLIANCE

ANALYSIS, RESEARCH & ADVISORY

FIT FOR PURPOSE CLIENT SOLUTIONS BEYOND HYDROPOWER TO ENABLE RENEWABLE ENERGY SOLUTIONS



EXPERIENCE

- Multidisciplinary
- Project management
- Deep competence pool
- Strong delivery model



INNOVATION

- Sustainable hydropower
 - Digitalisation
- Energy system of the future
- Open client dialogue



LOCAL PRESENCE

- Inclusive partnerships
 - Local subsidiaries
- Competence building

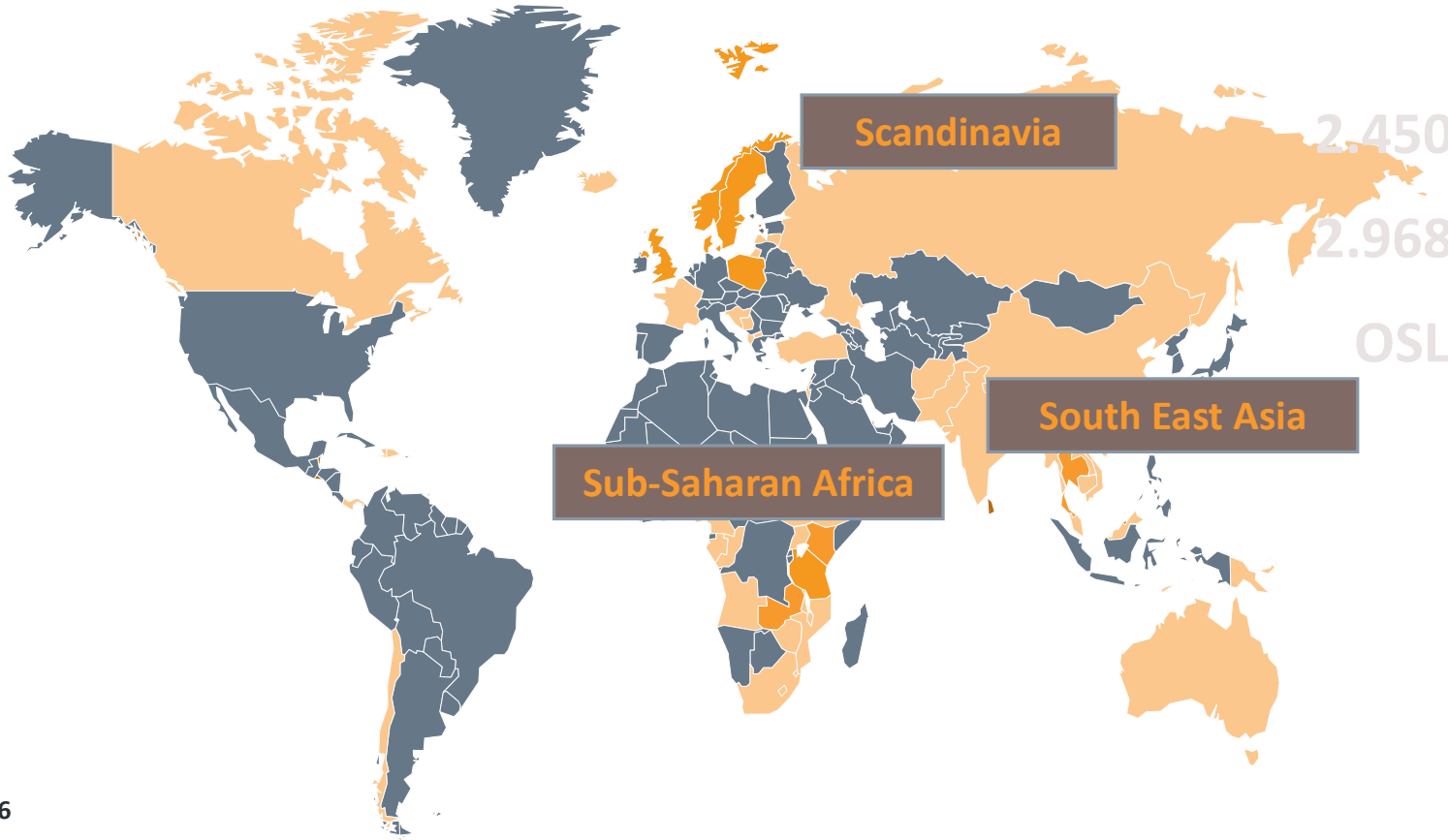
A full suite of products for:

- Development banks and financial institutions
- Government institutions
- Renewable energy project developers



STRATEGIC FOCUS AREAS

NORDICS, SUB SAHARAN AFRICA AND SOUTH EAST ASIA



Growth in renewable energy in Sub-Saharan Africa and South-East Asia

Sustainable hydropower
Building HP and HP portfolios, balancing environmental, social, and economic trade-offs sustainably

Clean energy finance
Maximizing the impact of investments in renewable energy

Solar energy
The development towards a new paradigm – Competitive solar power everywhere for everyone

Hydropower plants and Dams

«Enabling the sustainable hydropower projects of tomorrow»



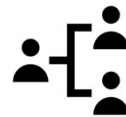
FEASIBILITY STUDIES AND HYDROPOWER ADVISORY

An experienced and creative team that optimizes the potential of your project and minimizes environmental and social consequences.



TENDER AND DETAILED DESIGN

Using the newest technology to ensure an optimised and efficient design process.



OWNER'S ENGINEER/ CONSTRUCTION SUPERVISION

Following up site works with the contract, including compliance with E&S standards, as the center point.



OPERATION AND MAINTENANCE

Continuing to support the owner through operation and maintenance to ensure maximum output including setting up sound ESMS systems.




EXPERT ASSIGNMENTS

World class experts ready to assist you on all technical, economic and E&S issues related to hydropower.



INDEPENDENT/ LENDERS ENGINEER

Long experience working for financiers and governments to follow up project execution.



Hydropower and Dam Reference Projects

Rumakali HPP (Tanzania)

Concept Design and Tender Documents

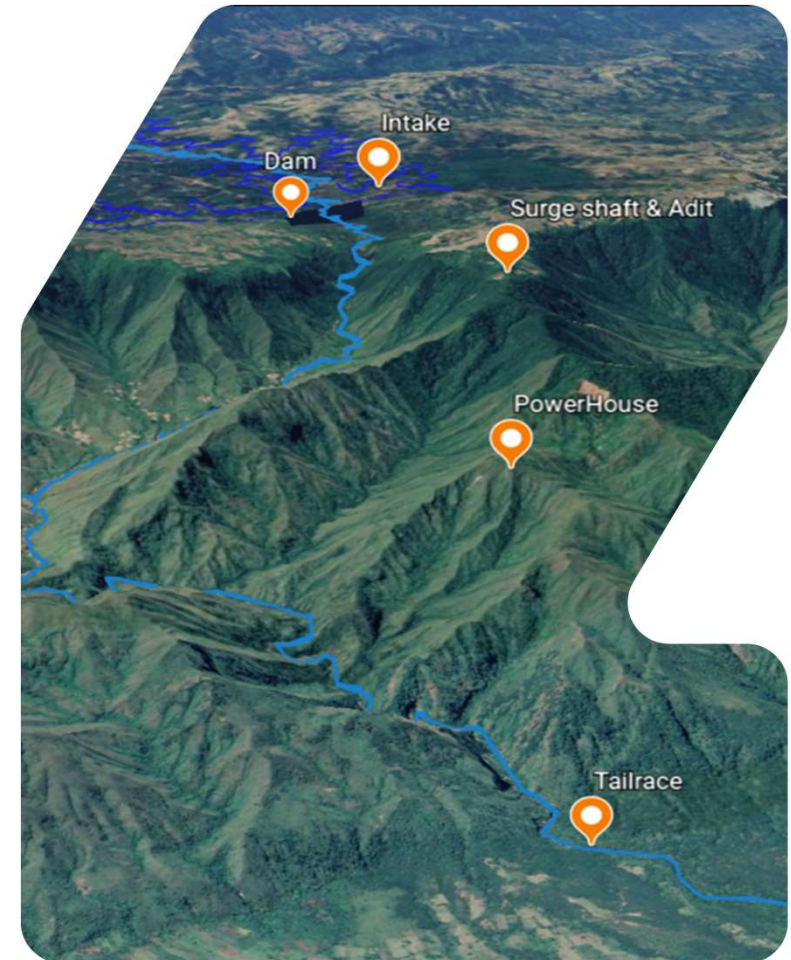
Client: Tanzania Electricity Corporation

Period: 2022-2023

The Rumakali HPP is a planned 222 MW power plant in the Njombe region of Tanzania.

The project includes the following:

- i) power station with all electro-mechanical equipment (3x74 MW pelton),
- ii) 72m high storage dam
- iii) 6 km headrace tunnel, 1.4 km pressure shaft, underground powerhouse, 3 km tailrace tunnel
- iv) 1,295 m head
- v) 72 km 220 kV transmission line



Ruhudji HPP (Tanzania)

Concept Design and Tender Documents

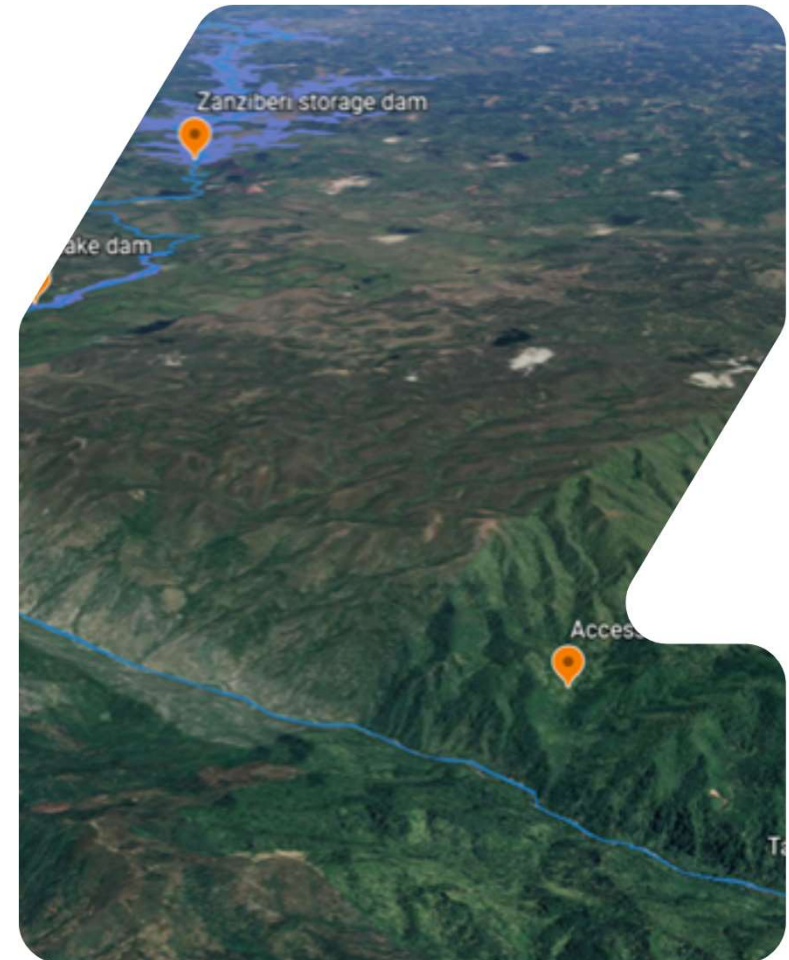
Client: Tanzania Electricity Corporation

Period: 2022-2023

The Rumakali HPP is a planned 358 MW power plant in the Njombe region in Tanzania.

The project includes the following:

- i) power station with all electro-mechanical equipment (3x89.5 MW Pelton),
- ii) the Zanziberi storage dam with a maximum height of 67 m
- iii) 765 m head
- iv) 7.3 km headrace tunnel, 1.1 km pressure shaft, underground powerhouse and 3.1 km tailrace tunnel
- v) 170 km 400kV transmission line





Nenskra HPP (Tanzania)

Owner's Engineer

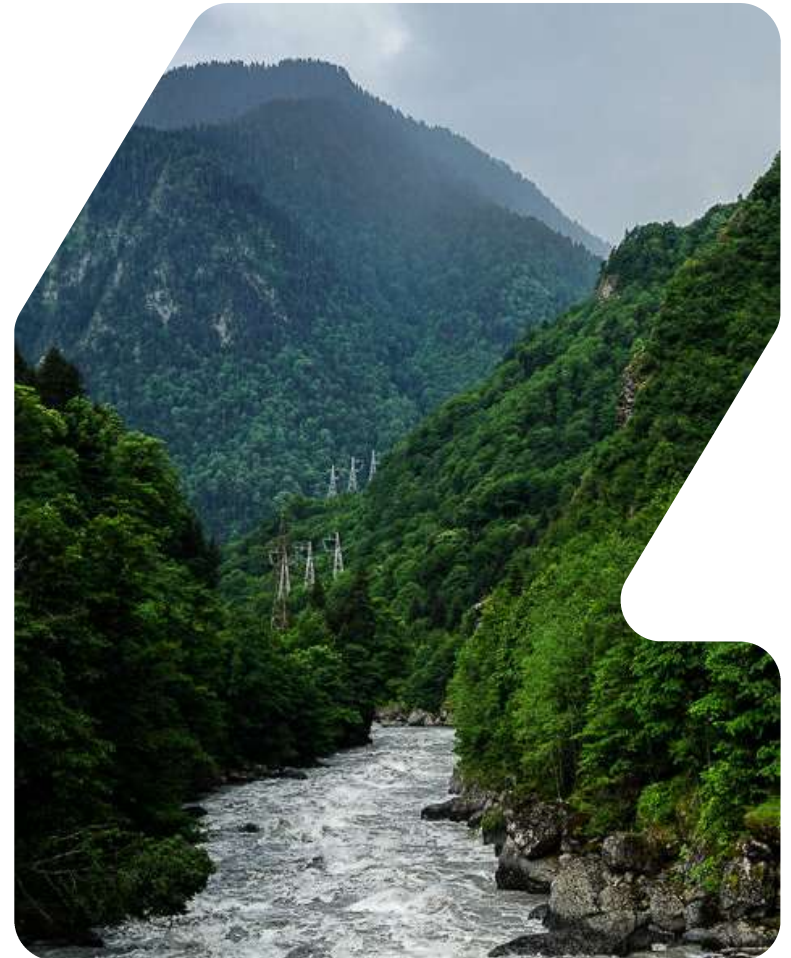
Client: JSC Nenskra Hydro (80 % K-Water)

Period: 2023-ongoing

The Nenskra HPP is a planned 280 MW power plant in the Svaneti region of Georgia.

The project is planned to include the following:

- i) power station with all electro-mechanical equipment (3x93 MW),
- ii) 130m high asphalt faced-rockfill dam
- iii) 15.1 km headrace tunnel (TBM Ø4.5m)
- iv) 12.5 km transfer tunnel (TBM Ø3.5m)
- v) Intake and intake weir for the transfer system
- vi) Live storage of 3,176 million m³ water



Upper Padas HPP (Malaysia)

Tender Design

Client: Sabah Electricity Sdn Bhd

Period: 2013-2015

The Upper Padas HPP is a planned 192 MW power plant in the Sabah region of Malaysia.

The project is planned to include the following:

- i) 192 MW installed capacity (3 x 60 MW + 12 MW PH at dam)
- ii) 125 m high RCC dam
- iii) 9.4 km headrace tunnel (\varnothing 6.15m) and 0.7 km surface penstock (\varnothing 4.8m)
- iv) 253 m gross head



Devoll HPP (Albania)

Construction Advisory/Supervision

Client: Devoll Hydropower Company (Statkraft)

Period: 2014-2018

The Devoll cascade currently consists of 2 hydropower plants (Moglice and Banja).

The project is planned to include the following:

- i) 269 MW (combined) (Banje: 72 MW, Moglice: 197 MW)
- ii) Banje: 80m high embankment dam, Moglice: 167m high asphalt core rock filled dam
- iii) Combined some 20 km tunnels
- iv) 1 underground powerhouse and 1 surface powerhouse



Dam Namsvatn (Norway)

Detailed design, Construction supervision,

Client: Nord-Trøndelands Elektrisitetsverk

Period: 2014-2017

Salient features:

- i) 25m high, 350 m long
- ii) Bituminous asphalt core founded on rock
- iii) 60 m² gated emergency drawdown rock tunnel in one of the abutments
- iv) Dam ranked in Norway's highest hazard class



Dam Sarvsfoss (Norway)

Detailed design, Construction supervision,

Client: Otra Kraft

Period: 2012-2014

Salient features:

- i) 50 m high, 160 m long crest
- ii) Double curvature concrete arch dam



Kamuzu Barrage (Malawi)

Construction Advisory/Supervision

Client: Devoll Hydropower Company (Statkraft)

Period: 2014-2018

The Devoll cascade currently consists of 2 hydropower plants (Moglice and Banja).

The project is planned to include the following:

- i) 269 MW (combined) (Banje: 72 MW, Moglice: 197 MW)
- ii) Banje: 80m high embankment dam, Moglice: 167m high asphalt core rock filled dam
- iii) Combined some 20 km tunnels
- iv) 1 underground powerhouse and 1 surface powerhouse

