

# RENEWABLE ENERGY SOLUTIONS

AHK Conference, Nairobi, Kenya



**INTECH**  
CLEAN ENERGY

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[www.intechcleanenergy.com](http://www.intechcleanenergy.com)

# Who We Are

2



GROUP STRUCTURE

SOLUTIONS

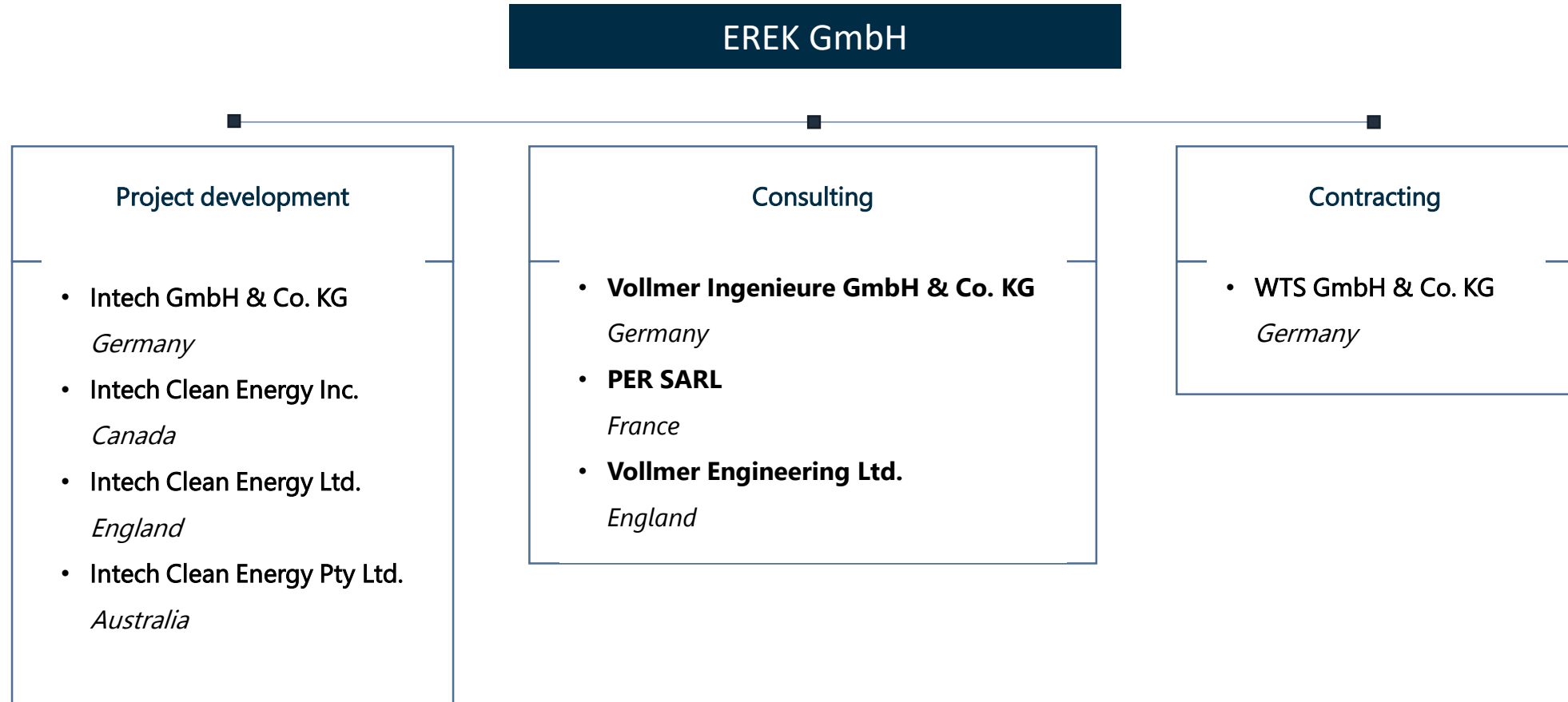


INNOVATIONS

RENEWABLE  
ENERGY SOLUTIONS

# Group Structure

3



# Who we are

4



More than 20 Years Experience  
with Renewables



Feasibility Studies



Energy Efficiency  
Assessments



Engineering



Turnkey Projects

# Our Solutions

5

## SOLAR ENERGY

Roof-Mounted PV



## OFF-GRID

Off-Grid  
Hybrid Systems



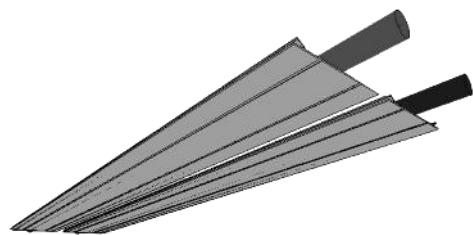
## BIOENERGIES

Biomass  
Biogas



# Our Innovations

6



Radiant  
Ceiling Panels



Solar Tracker



Energy  
Container



Floating Solar  
Panels

# Bioenergy Solutions



PROJECT REFERENCES

# Agriculture



Corn drying company, Lauterbourg, France

Planning of a wood-chip heating for the heat supply of a corn drying system, 2 houses, a poultry barn (50 000 chickens) and a pool.



EARL des Chataigniers, Drachenbronn, France

Wood-chip boiler providing heat to 3 poultry houses.  
35 kW PV Roof-Mounted

# Public Sector



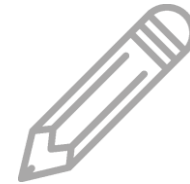
## Municipality, Rittershoffen, France

280 kW wood-chip boiler

District heating system connecting townhall, fire department, 2 schools with accommodation, 2 churches, 2 presbyteries.



# Energy Efficiency



BUILDING SERVICES

# Energy Efficiency Services

11



## STUDIES / CONSULTING

- Energy assessment studies
- Profitability calculations
- Implementation of renewables



## DESIGN

- Building services, heating, cooling, ventilation
- District heating systems



## CONSTRUCTION MANAGEMENT

- Building supervision
- Building inspection

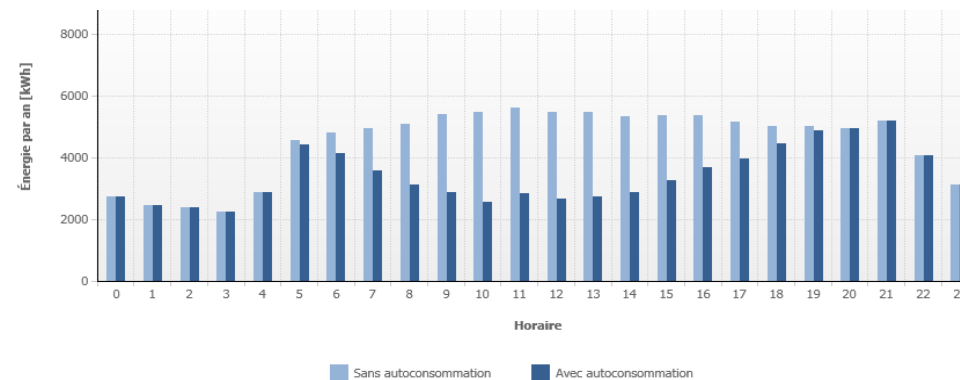
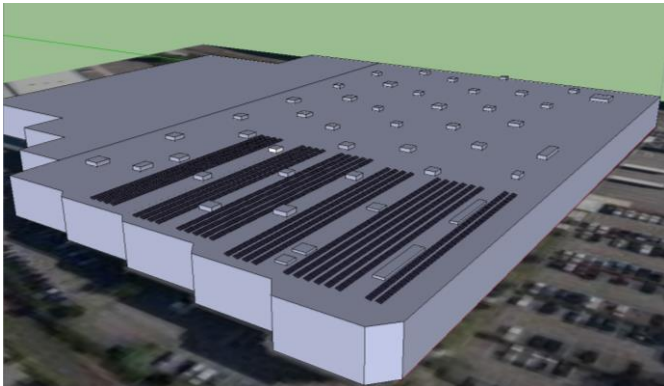
# Project References



## Energy survey of industrial building BMW, Strasbourg, France

### Energy savings and renewable energy

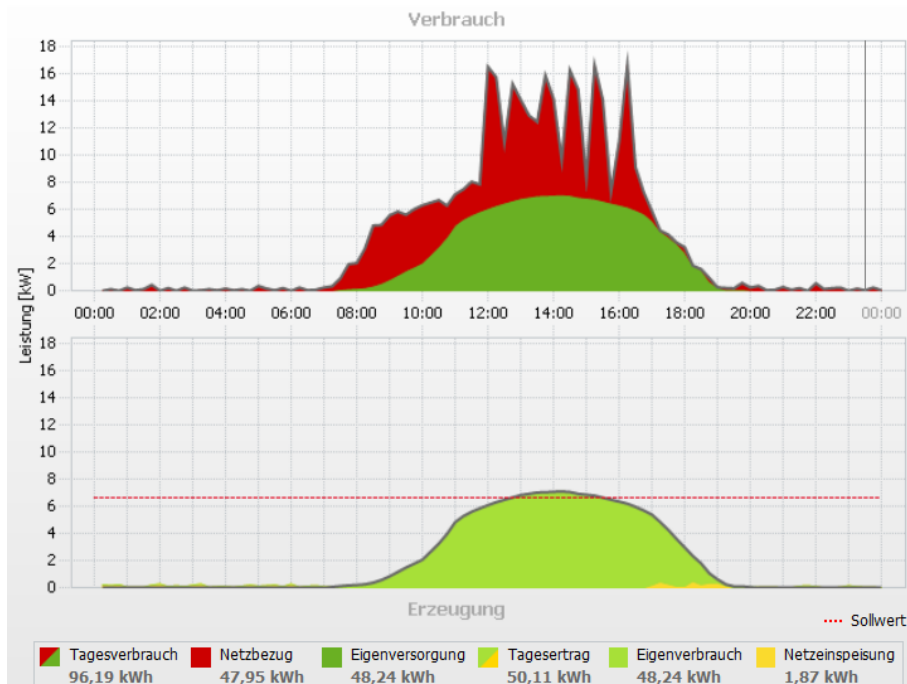
- Recommendations for energy savings: lighting, insulation, heat recovery
- 200 kWp photovoltaic system with 90% self-consumption



|                       | Énergie annuelle prélevée sur le réseau | Juillet - Juillet |
|-----------------------|---|-------------------|
| Sans autoconsommation | 1 914 MWh                               | 108 MWh           |
| Avec autoconsommation | 1 718 MWh                               | 81 818 kWh        |

# Project References

13



## Volksbank, St Georgen, Germany

### Heat supply and renewable energy

- Substitution of the heat supply, the building automation system including the ventilation control
- Intuitive user interface has been added to facilitate the system control
- 10kW PV plant on the roof for self-consumption



# Solar Energy Solutions



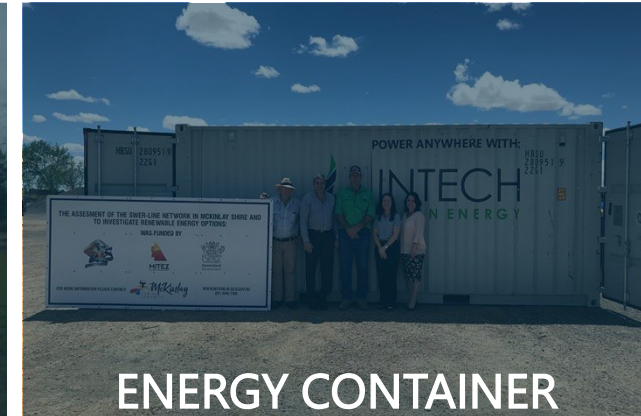
PROJECT REFERENCES

# Roof-Mounted PV



# Off-Grid

16



# All-in-One Solution Energy Container

17



## PV PANELS

- Ground-mounted
- Roof-mounted
- Solar Trackers



## BACKUP GENERATOR



## MONITORING



## EXTRA FUEL TANK (OPTIONAL)



## WATER PURIFICATION (OPTIONAL)



Autonomous energy generator designed by Intech and adapted for any off-grid application

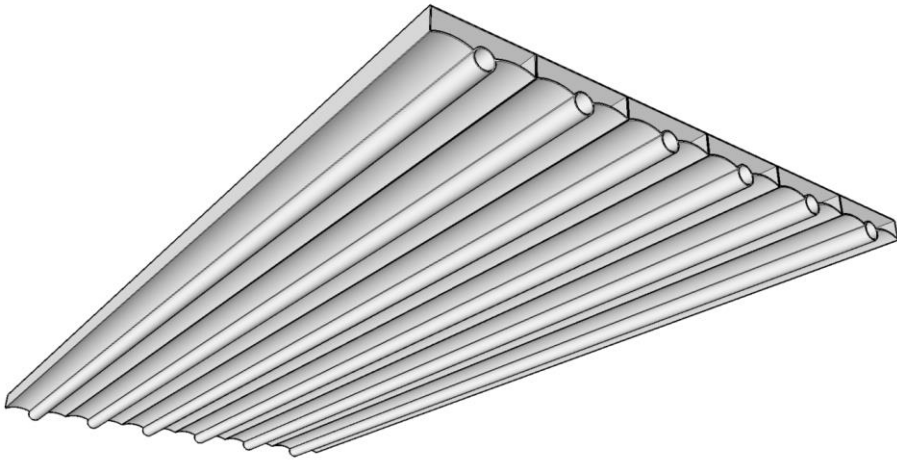
# Energy Container

18



# Radiant Heating & Cooling Panels

19



## BENEFITS

**Heating and cooling in one**

**Comfort** No air current & perfect room temperature

**Lower energy input** Lower temperature

**No dust dispersion**

**Eco-friendly** No or less refrigerant

# Intech in Kenya



- Partners in the energy sector
- Farms in remote areas with weak or no grid connection
- Companies with heavy energy loads willing to move towards renewable energies
- New buildings / Residential areas in design stage
- Communities with infrastructure problems



# THANK YOU FOR YOUR ATTENTION



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