

RWE Technology International

# Powering the business of our customers

Experience matters



**RWE**

Powering. Reliable. Future.

# About

**RWE Technology International (RWE TI) is a leading engineering consulting company, providing independent expertise and technical advice to global energy markets.**

We enable companies and organizations in mining, thermal generation, renewables and grid connections to advance efficiency, safety and sustainability of their business.

We support customers across the full value chain – helping

them to plan, develop, construct, operate and shut-down their energy assets. With our heritage of more than 100 years as an energy utility, we share our expertise and help customers in over 100 countries reach their goals.





Paul McKay  
Lead Inspection Engineer

**„You get your best solution!“**

Tobias Metzger  
Head of Sales & Proposal, Marketing & BD

**„Our aim is your success!“**



Dr. Silvia Gause  
Senior Thermal Engineer

**„Your business is our daily work!“**

Stefanie Pitschke  
Proposal Manager

**„You have the choice!“**



Arie-Johann Heiertz  
Sales Manager (Mining Expert)

**„Your challenge is our passion!“**

# Fast Facts

Experience matters

## International Professionals

in key energy markets



**200+**

highly qualified engineers  
and consultants

**100+**

countries we have  
done assignments

**50+**

years established as  
engineering consultant

**100+**

years ago, we pioneered the  
power industry in Europe

**50+**

customers worldwide

# Covering the entire project life cycle

concept, design, construction, commissioning, operation, maintenance, decommissioning and demolishing



## Global Reach

with a committed and experienced team we offer global support and service in key energy markets.

headquarters in

**Essen**  
**Germany**



## Business Specialisation

thermal generation, mining, renewables, grid connections

# Main Services

## Thermal Generation

We have advised on over 300 thermal projects around the world, helping customers to increase efficiency, reliability and manage costs in projects and operation.

### Services

- Project planning, procurement and management
- Engineering support
- Construction supervision
- Technical, safety, environmental, risk advisory
- Plant modernization and energy efficiency advisory
- O & M services
- Training and competence-related services



## Mining

Mining is our heritage. We have 50 years of unique continuous mining tradition and conveyor belt know-how that customers all over the world are taking advantage of.

### Services

- Exploration management
- Mine planning, scoping, prefeasibility and feasibility studies
- Bulk material handling, conveyor belt and equipment engineering
- IPCC and operational advisory
- Mine reclamation advisory
- Training and competence-related services



### Grid Connections

From initial grid connection feasibility study, to electrical design and final testing, we provide technical, process and energy storage advice to connect renewable and non-renewable generation to the power grid.



#### Services

- Backup power solutions
- Battery storage advisory
- Grid connection advisory
- Project management services
- Engineering support
- Construction supervision

### Renewables

We offer technical advisory services and investment support for renewables, covering a variety of technologies including solar, wind, hydro, biomass and energy storage.



#### Services

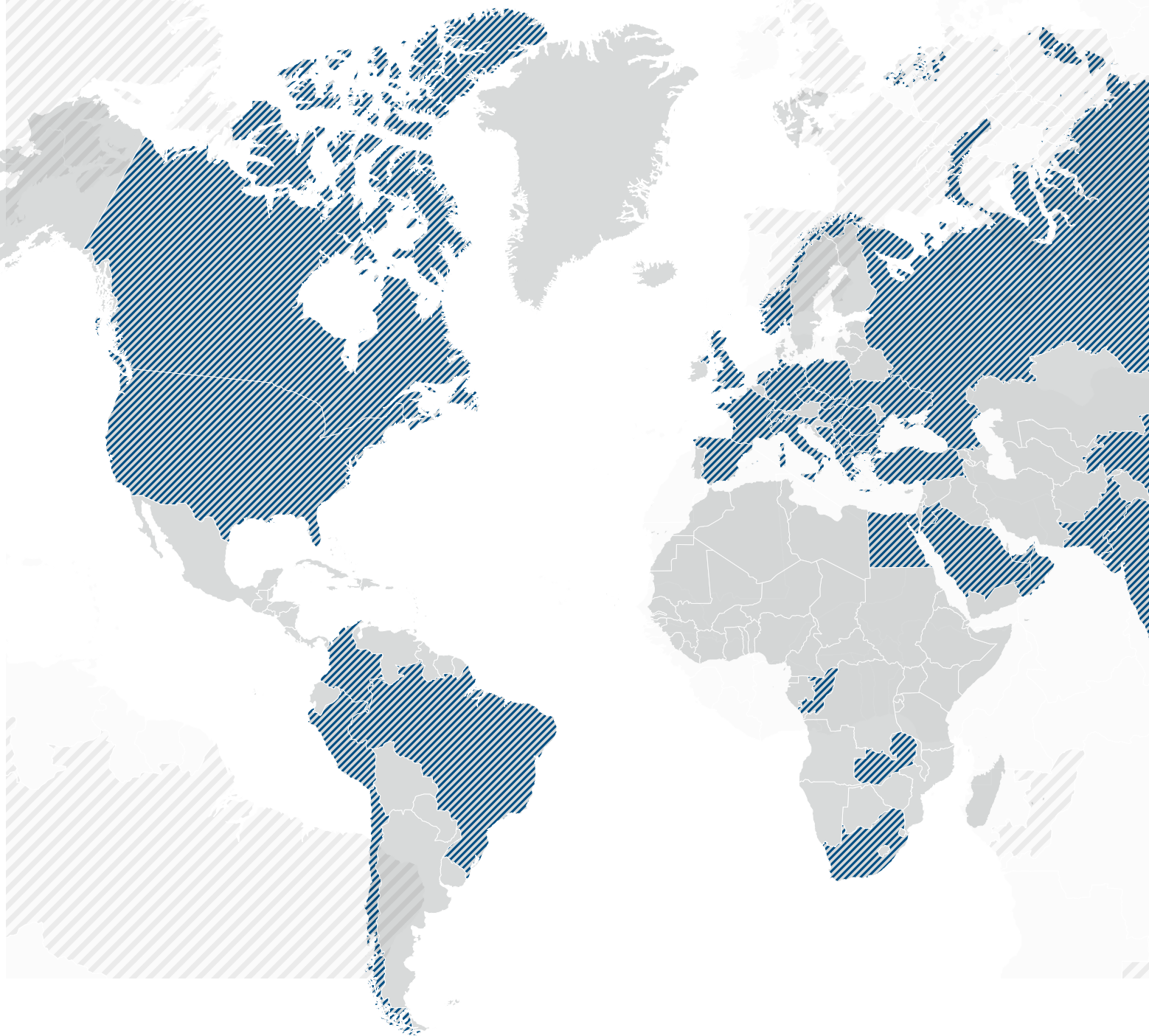
- Development services, project review, site investigation
- Due diligence and studies
- Project development and scheduling
- Engineering design reviews, cost estimates, tender evaluations
- Project management services
- O & M consulting services
- Environmental studies
- Permitting support

# Projects

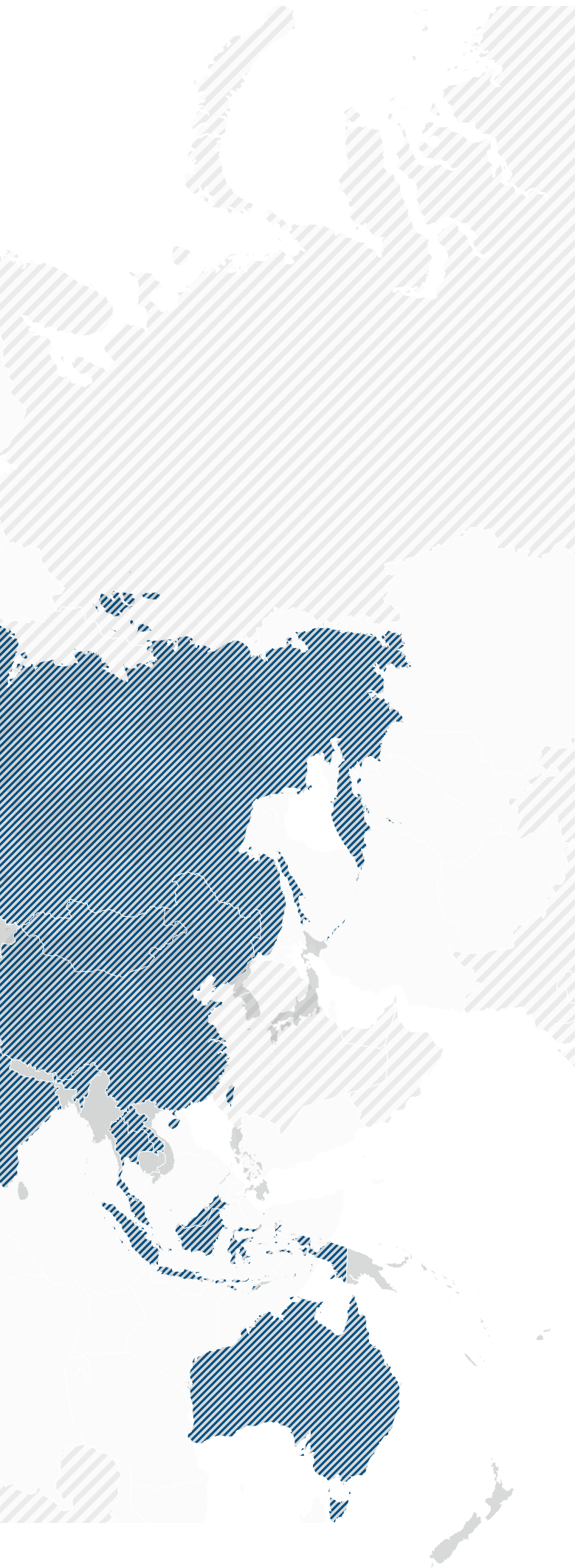
**Decarbonization of the energy sector is the mainstream of our technical advisory services.**

Conventional generation needs to become more efficient, reliable and flexible to secure a sustainable energy supply worldwide. We help our customers to develop, operate and maintain energy projects, to keep the plants operational and to manage the use of energy and costs. By providing our technical and market know-how, we support our customers to transform their energy business.

We have an international engineering consulting track record spanning over 50 years on all continents, including countries in the Middle East, Asia, South-America, Africa and Europe. During this time, we have worked across many diverse cultures and technologies, and have built strong relationships with our customers by working in partnership to solve their technical and business challenges.







### **Biomass Cofiring**

**Client:** RWE Generation Fleet  
**Country:** Netherlands & UK  
**Scope:** Project development, tendering and execution until COD to replace fuel at hard coal power stations with wood pellets. Long-term experience 35% up to full conversion.

### **Long Term Training**

**Client:** Leading Coal Mining Company  
**Country:** Indonesia & Germany  
**Scope:** Facilitation of staff training both at the clients site as well as in RWE's own mines in Germany. Training focus was on safe and reliable Conveyor Belt Operation.

### **Mine Equipment Inspection**

**Client:** Local Equipment PCL  
**Country:** Thailand  
**Scope:** Feasibility study, technical optimization and independent expert advice during a mine equipment inspection.

### **Plant Mobilization**

**Client:** Power Utility / Developer  
**Country:** Pakistan  
**Scope:** Expert support and consulting to prepare a new power plant for commercial operation. This included plant mobilization and commissioning support as well as O&M contract advisory.

### **Plant Optimization**

**Client:** Independent Water and Power Producer  
**Country:** Malaysia  
**Scope:** Improvement of a coal-fired power plant performance and availability by supporting the client on- and offsite with RWE power plant experts and customized engineering services and technical advisory.

# Our Structure

## Management

The Executive Board consists of the CEO, Ingo Birnkraut, and the Managing Director Operations, Wim Tjerkstra. They deal with issues and decisions related to strategy, markets, customers, target setting, business development, financial development, performance management, pricing strategy, and major management appointments.

## Company Structure

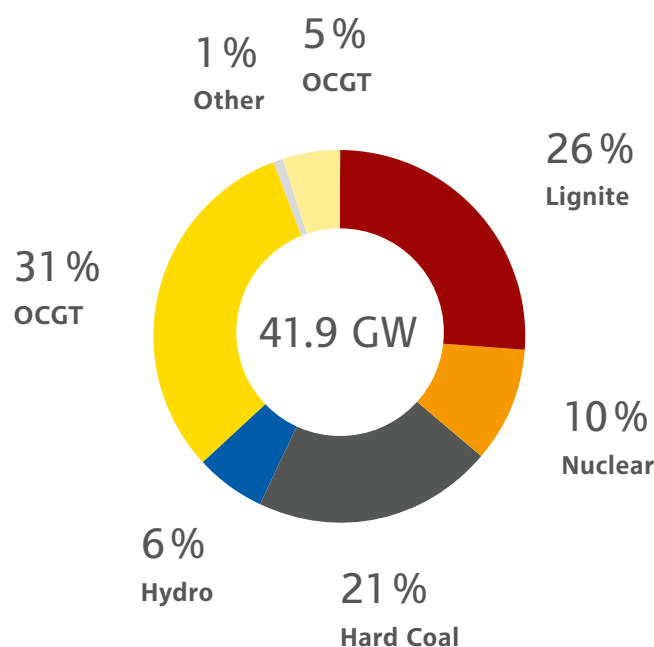
RWE TI is structured into four business areas with coordinating governance support in HR, Finance, HSQE, IT, Legal and other functional areas. In addition, business support functions ensure the required resources for each business area such as global expert pools and O&M professionals, acquisition, sales, marketing and business development, project development/IPP, contract management, project procurement and project management activities.

## Ownership

RWE TI GmbH is a fully owned subsidiary of RWE Generation SE.

# Our Expertise

## Generation Capacity (2016)





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International GmbH**

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