

# Powering the business of our customers

Experience Matters



**RWE**

Powering. Reliable. Future.

# Content



## About Us

Highlights of who we are,  
our history and how we work.

A full-page background image showing a worker in a blue uniform and yellow hard hat standing next to a large industrial machine. The worker is looking up at the machine. The machine is a large, complex piece of equipment, possibly a conveyor or a part of a power plant. The background is a dark, industrial environment with large metal structures and a pile of material on the ground.

RWE Technology International (RWE TI) is a leading engineering consulting company, providing independent expertise and technical advice to global energy markets. We enable organization in mining, thermal generation, renewables and grids 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.

# Profile

## Partnering – Meeting your needs

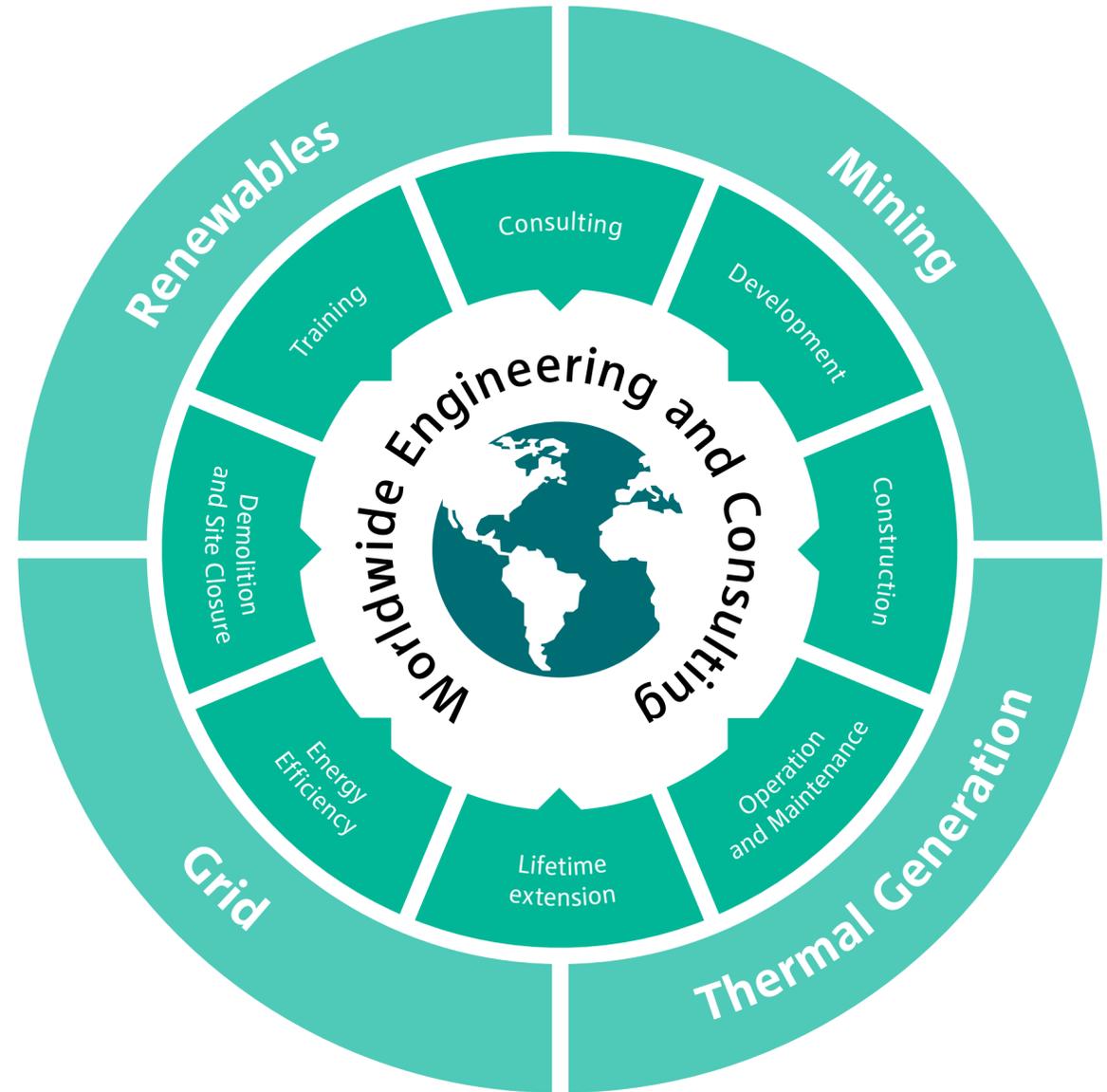
Teams are engines. They do more, faster, with less. This is why we cooperate with you and other stakeholders throughout the lifetime of your project. By sharing of brainpower we bring you the highest return on your investment.

## Our Customers – Solutions that revolve around you

Each customer and project is a 'unique mission', which is why we take your business challenges on as our own. All our people have one vision, and that's to see the possibilities in your objectives and make them happen, whatever the challenge. We work closely and openly with you to understand your business goals, and then work with you to plan the most effective way to meet them.

## Our Capabilities – Providing the most predictable return on investment

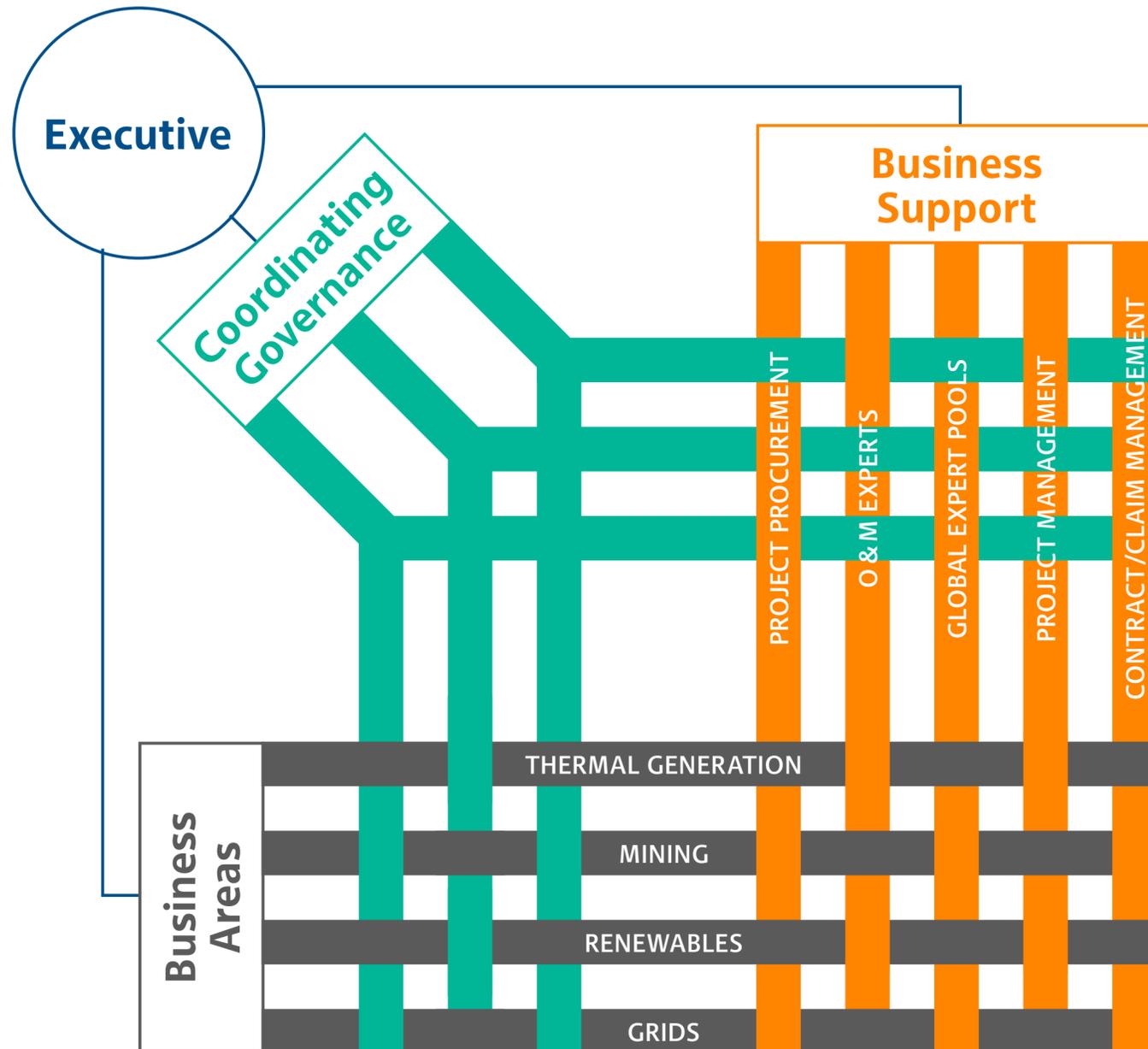
Our expertise involves more than just delivering energy projects. We cover the entire life cycle of mines, thermal plants, renewable plants and grids, minimizing our customers' risks and increasing their returns. We work as a strategic business partner helping you to develop investment opportunities, decide to invest in energy projects until long after the energy asset has been commissioned.



# Our Principles

As one of the leading engineering and technical consulting companies, we concentrate on offering customer efficient and reliable services, built on trust, open-mindedness, knowledge and well-being.

# Organisation



## Ownership

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

## 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.

## Management

The Executive Board consists of the CEO and the Managing Director Operations. 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.

# History

**1898**

**Foundation as Utility**

RWE TI traces its roots back to 1898, when the Rhenish-Westphalian Electric power company (RWE) is established by the city Essen (North Rhine Westphalia) to build a first power plant in Essen.

**1922**

**Securing Fuel Supplies**

RWE successfully acquires three hard coal mines in Essen and a majority interest in lignite mine assets of the 'Braunkohlen- und Briketwerke Roddergrube AG', near Cologne to assure long-term supplies of fuel for its coal-fired power stations.

**1932**

**Majority stake in RAG**

RWE acquires from steel industrialists Fritz Thyssen / Friedrich Flick the controlling stake in the largest Rhenish lignite producer, RAG, the 'Rheinische AG für Braunkohlenbergbau und Brikettfabrikation', in Cologne.



**1965**

**Start of Global Mine Consulting**

The former Rheinische Braunkohlenwerke AG, Cologne, established a subsidiary company, Rheinbraun-Bergbauberatung GmbH, on 17<sup>th</sup> February 1965, to provide its technical experience overseas within the scope of engineering and consulting projects – experience it had built up in own opencast mining.

**1976**

**Innovative Power Projects**

Motivated by the first energy crisis and increasing environmental awareness, RWE takes a significant and pioneering step by establishing experimental projects in solar and wind to research alternative energies and new applications for electricity.

**1980**

**First PV Plant**

RWE commissions its first photovoltaic power plant.

**2004**

**Start of Global Power Consulting**

With a rebranding to RE GmbH (RE), RWE further pools its experience in power generation from RWE affiliates RWE npower, RWE Power for worldwide marketing.

**2005**

**Modernisation of RWE's Power Plant Portfolio**

RWE starts the biggest power-station modernization program in the history of the company aiming to reduce emissions and become a technical leader in efficient power generation technologies.

**2010**

**Foundation of RWE Technology**

RE GmbH enters the power consulting business by support of RWE Technology (RWE T) experts exclusively under the brand name RWE Power International. This develops into a new important market.

**2015**

**Foundation as RWE Technology International**

RWE Technology International (RWE TI) is founded in Essen by merger of RE and RWE Technology. The company is established as a leading global engineering consultant within the mining, thermal generation, renewables and grid industries.



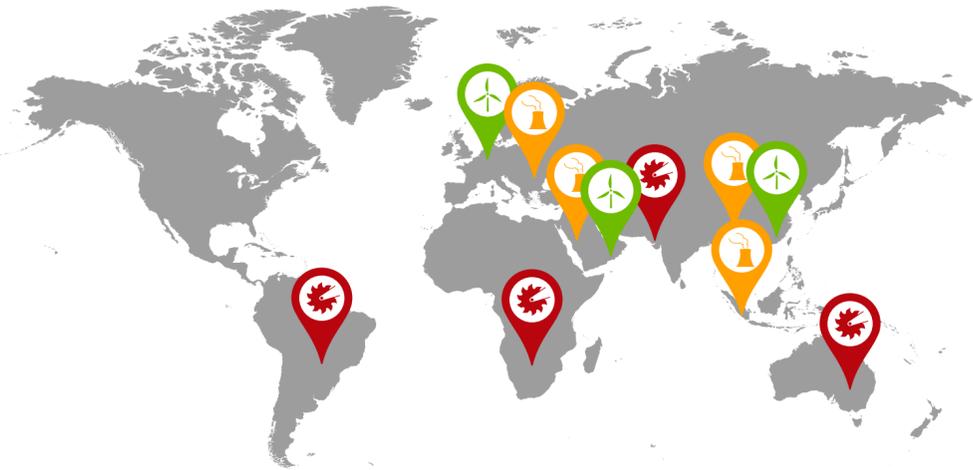
**Expertise**

# Utility Background

# Fast Facts

## International Professionals

In key energy markets



## Covering the Entire Project-Value-Chain

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

Headquarters in  
**Essen**  
Germany



# 200+

highly qualified engineers and consultants

# 50+

years established as engineering consultant

# 100+

years ago, we pioneered the power industry in Europe



## Global Reach

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

# 100+ 50+

countries we have done assignments

customers worldwide

## Business Specialisation

Thermal Generation, Mining, Renewables, Grids





## Business Areas

As a leading engineering consultant we enable organization in Thermal Generation, Mining, Renewables and Grids to advance the efficiency, safety and sustainability of their business.

# Empowering You to Stay Ahead

RWE Technology International plans, develops, designs, builds, expands and improves power generation assets for customers worldwide. We know the issues and trends because we have worked as developer, owner and operator in the power industry since 1898. We help energy companies, project developers, investors, utilities, governments, industrial consumers and independent power producers to identify, evaluate and manage their business challenges. We have advised on over 300 thermal projects around the world, helping customers to assure projects, safe energy and achieve greater operational efficiency, while maintaining safety and reliability.



# Empowering You to Stay Ahead

## > Planning & Development

### Making our Clients Successful

The continued growth in energy consumption drives worldwide the need for new power plants, refurbishment, repowering and life extensions. In addition, there is a global trend to cleaner energy, resulting in a more complex power infrastructure, where flexibility and balancing capacity become crucial strategic assets. Experience can be the difference in successfully developing new plants and projects, whether coal, gas, biomass (co-firing) or other conventional fuel source.

We bring together state-of-the-art and innovative power technologies with a rich history in developing, building and optimizing generation assets around the world. Our project development team has been involved in guiding projects through every phase: siting assessments, initial screenings, preliminary and detailed feasibility studies, due diligence and financial analyses including construction cost estimates and life cycle costing. We have extensive experience with leading edge environmental emission controls and technical innovations such as ultra-supercritical boiler technologies. Whether a potential site is greenfield, brownfield or an upgrade, we can assess its readiness for new power generation.

Many of our industrial, commercial and public sector clients rely on our help to manage the risks within the development phase of a project and optimize the long term value of their assets.

### Your Benefits

- Get certainty about your projects capital costs/return on investment (ROI) and schedule
- Reliable advice from experienced project development professionals
- Discover all necessary information for a sound investment decision
- Discover whether the business fits into your strategic plan or current operations
- Determine the future sustainability of your business
- Know the latent risks and opportunities in your business
- Discover whether your plant is “fit-for-purpose”

### We conduct cost analyses and feasibility studies to help you make better decisions.

- Project validation, site identification and selection
- Pre-feasibility and feasibility studies (bankable)
- Preliminary cost estimates
- Plant configuration study
- Benchmarking and efficiency analysis
- Grid connections
- Due diligences (technical/financial)

### We help you develop risk mitigation strategies and approach capital investments with confidence.

- Preliminary design and basic engineering
- Technical planning and technology assessment
- Detailed cost estimates (CAPEX/OPEX, life cycle costing)
- System analysis and design
- Project schedule
- Permitting support and environmental studies
- Contracting strategies
- Arbitration and litigation support

### Download:

# Empowering You to Stay Ahead

## > Procurement & Construction

### Delivering your power plant project on time and within budget requires the right approach

Leveraging our expertise as asset owner, operator and developer, our project procurement and construction teams support you to successfully manage your construction project. With best-in-class advice and lessons learned from own and customer projects we help keep your project on track to successful completion.

Our execution professionals are experienced in all project procurement activities and multiple subcontracts projects (turnkey vs. multi-lot). We understand the duties and responsibilities required to successfully manage project procurement, safety, quality and construction of a power plant project. In each project our highest priority is safety. We have a Corporate Health & Safety Program, which is integrated in our project management process and key factor to keeping a job safe, on time and within budget.

### We can work with your team in several ways to put your project on the path to success

- As Owner's Engineer our team is part of your staff, ensuring your construction project runs smooth.
- As Construction Manager we supervise construction works onsite, to control schedule and cost for you.
- As EPCM Consultant we provide specialist engineering, procurement, construction and management services.

### We can guide you during the project procurement process

- Project procurement strategy, methodology and recommendations
- Preparation of tender documents (RFPs)
- Evaluation of bids and proposals
- Purchase recommendations
- Identification/qualification of suppliers
- Assistance with contract negotiations (EPC, O&M, LTSA etc.)

### Build better with the guidance of experienced industry professionals during construction

- Project Management
- Design reviews of detailed engineering
- Execution plan
- Schedule and cost controls
- Site supervision
- QA/QC
- HSE management
- Performance testing supervision
- Hand-over / take-over support
- Arbitration and litigation support

### Protect your investment and verify that you're getting what you're paying for during commissioning

- We help you verify and document that your assets are planned, designed, installed, tested, operated and maintained to your project requirements.
- We support you in new construction commissioning, existing projects (re-commissioning), or existing facilities that were never commissioned (retro-commissioning).
- We start before the design phase, continue into the warranty period at least one year after construction and prepare your operation personnel to take on the job.

# Empowering You to Stay Ahead

## > Operation & Maintenance

### Drive operational excellence across your business

Plant operations are complex, **capital intense** and performance is one of the top challenges power companies struggle to improve on. Therefore our experts are focused on maximizing safety, performance and cost efficiency for your asset operation.

In close partnership with our customers we help owners, managers and operators of plants and fleets to improve performance through sustainable cost reductions and efficiency improvements that do not dissolve value. Our services focus on availability, cost reductions and operational efficiencies.

### Operation & Maintenance – ready for operations

- 360° O&M support in management, organisation, policies, safety, HSQE and engineering
- Studies (e.g. Fleet optimization, RAMS, LTSA, Operability, Due Diligence)
- Mobilisation of the complete O&M organisation
- Assessment of improvement areas, risks and engineering issues

### Training - enabling your staff to practice safe, efficient and sustainable operation

- Identification of recruitment and training needs
- Operational excellence training in RWE plants, web based, simulators or customer sites
- Various tailored training programs in technical, leadership and operations competencies

### Service Agreements – letting you focus on your core business

- Delivery of technical services in all aspects of power fleet of plant operation (e.g. long-term support)
- Management support, technical support, supervision, knowledge transfer
- Experienced RWE operational experts stationed onsite at your plant

### On site Plant Services – part of your team

- Outage management and trouble shooting
- Supervision and expert support during testing and commissioning
- Technical support during maintenance activities (e.g. maintenance scopes)

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# Empowering You to Stay Ahead

## ➤ Asset Management & Rehabilitation

### Plant integrity, safety and reliability are major concerns to all plant operators and managers.

Ageing plants worldwide are operating beyond their intended design life. Power plant managers and operators are under pressure to improve operational efficiency in order to stay competitive. We address this need by helping evaluate and implement plant improvement and upgrade programs to maximize their plants return on investment, keeping them compliant, competitive, efficient and reliable. We develop customized solutions for existing power plants and help optimize components, processes and procedures in the overall power plant system in a safe and reliable manner.

### Plant improvements – optimize plant output and performance, ensure reliability, and reduce emissions

- Technical survey and analysis of best Return On Investment (ROI) solution for matured plants
- Conversion, Rehabilitation, Retrofit, Upgrade and Lifetime Extension of components or total plants
- Plant performance evaluation and recommendations of improvements

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### Asset Integrity Management – maintain your asset and ensure fitness for service, safety and reliability

- RWE experts provide customized solutions for development, implementation and management
- Risk Assessment (HAZOP), Fit for Service, Remaining Life Calculations and Document Management
- Risk Based and Field Inspections and Non-Destructive Testing (NDT) and Material Testing
- Verification of security, emergency and protection systems

### Technical support services – reduce outage time

- Outage management, trouble shooting and root-cause analysis
- Verification of engineering designs and workshop support

# Empowering You to Stay Ahead

## > Demolition & Site Closure

### Environmental Consulting and Strategic Planning for Remediation and Demolition

Closing a power generation facility is a complex process. Such projects are sensitive and not without risk. Companies planning a site closure often seek expert advice to manage this big job. RWE has nearly 30 years' experience in plant demolition and site closures from planning stages through final demolition and site restoration.

We leverage our experience and best practice and apply those in distinctive ways to develop optimal plans for mothballing, decommissioning, demolition and remediation works.

We provide environmental consulting and strategic planning services for the remediation and demolition of coal, natural gas, fuel oil and nuclear power plants.

### Demolition

- Feasibility study incl. pre-demolition planning, EIAs, construction approach, cost estimates
- Developing scope of work for waste removal, demolition and remediation
- On-site project management, engineering and site support
- Producing tender documents, leading the bid process incl. bid evaluation
- Professional oversight during demolition activities (supervision/de-construction management)

### Remediation

- Site investigation and development of a remediation plan
- Hazardous waste assessment and remediation strategy development
- Evaluation of remedial alternatives e.g. re-use, redevelopment and relocation

### Download:

# Empowering You to Stay Ahead

> Training

## RWE Operational Excellence Training Programs

RWE has developed professional and customized staff training and workshops to meet the various business goals of our customers. RWE Operational Excellence trainings provide valuable insights in power plant management, operation, maintenance and HSE management. Our educational programs are designed for plant managers, plant operators, engineers, asset managers, directors of operations, shift managers and operation supervisors. If desired our training can have a strong focus on best practice exchange and uncover unique operational and technical expertise from our own operations.

All training are available for various plant types and fuels: coal/lignite-fired, oil/gas fired, combined-cycle gas turbine (CCGT), biomass-/cogeneration and nuclear power plants.

## Training Methods and Locations

We provide practical training exercises, plant simulator or on-the-job training at your site, at our offices or at RWE plants. Most of our customers decide to train onsite at RWE plants and maximize their learning experience by receiving hands-on advice from RWE peers. However, in order to save you travel cost and time, we offer alternative training setups, such as web based training and virtual classrooms for long distance learning customized to your needs. In addition we offer a range of on-demand workshops that can be presented at site to in-house staff.

## Benefits for Corporations

- Built capabilities in your plant operations staff
- Broaden the skillset of your teams
- Encourage employees with professional development opportunities
- Incentivize employees with professional training from RWE power plant experts
- Keep up-to-date with technical and market dynamics in the power industry

## Benefits for Professionals

- Enhance and/or refresh your operations expertise
- Gain insights and learn from leading RWE power plant experts
- Master trouble shooting in operations and understand how to minimize plant risks
- Discover how to maximize plant availability, reliability and performance
- Learn and develop leadership skills
- Become part of RWE's expert network

**Download:**

# Next Generation Mining

Mining – is our heritage. We have 50 years of unique continuous mining tradition and conveyer belt know-how that customers all over the world are taking advantage of. We provide consultancy and engineering services across the entire life cycle of a mine. Our expertise covers exploration of coal, ore and other minerals, mine design and planning, operation and production optimization, site closure and rehabilitation as well as groundwater and environmental management.



# Next Generation Mining

## > Exploration

Usually the mineral and fuel reserves are the sole revenue basis of a mining venture. Accurate resource and reserve statements are of utmost importance for correct investment decisions and mine planning. Thus, the first step RWE takes is to externally explore the chosen area by constructing and analyzing a 3-Dimensional digital deposit model for geological appraisals.

Our geologists, mining engineers and economists provide expert knowledge in exploration and evaluation of mineral and solid-fuel deposits. From initial prospecting to detailed exploration and economic assessment, our services support the following mine planning.

### **Our Exploration services are aimed to support both new and existing mine projects**

- Mineral potential surveys
- Exploration management
- Mineral resource/Deposit modelling
- Geological modelling
- Hydrological assessment/Ground Water modelling
- Geotechnical assessment
- Economic analyses/Cost and Financial modelling
- Environmental impact assessment

### **Your Benefits**

- Fully understand the economic potential of your resource project
- Reliable expert advice
- Professional data interpretation
- Tailored services according to your needs
- International lender side acceptable study reports

**Download:**

# Next Generation Mining

## > Planning

### Discover all necessary information for a sound investment decision

Commodity prices, whether strong or weak, can often dictate a mining company's outlook on the future. Unfortunately mining companies are facing an increasing challenge to think long term due to market volatility and unpredictable commodity price shifts. But it is not enough to survive, growth is what will make a company stand tall above competitors. That is one of the top reasons, why mine operators, developers and investors worldwide seek RWE's expertise.

We help companies understand the options available to them and support future growth opportunities. Our development experts help mining companies to cover both the corporate goals in the long term as well as the annual short term targets for operations and production measures. We work closely with customers to develop mine plans that optimize pit design and maximize production to ensure cost-effective mining operation. Our aim is to ensure all shorter-term plans are focused on achieving your long-term goals in a sustainable way to avoid suboptimal and value-destroying planning conflicts.

### We can guide you during the planning process

- Scoping/Pre-feasibility/Feasibility studies (bankable)
- Conceptual and detailed mine design
- Due diligence
- Individual opencast mine planning such as in-pit conveying and crushing (IPCC)
- Mine scheduling/NPV pit optimization
- Choice of mining method and haulage method
- Life-of-mine stockpile, waste dump and tailings dam design
- Production and equipment schedule optimization
- Run-of-mine tonnage and grade scheduling
- Equipment, staff and material requirements determination
- Operational planning (short, mid, long term)
- Project evaluation incl. cost and financial modelling
- Expert witness/reports/arbitration
- Mine closure & relocation planning

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# Next Generation Mining

## > Equipment

### Get expert advice on practical, efficient and value added equipment solutions

Our mining experts can develop equipment specifications that match the demands of each mining project, assist in design specifications and supervise the manufacturing, assembly and commissioning of equipment, if needed onsite.

We ensure overall efficiency by reducing costs and downtimes. Drawing from our core competencies in continuous mining methods and in-pit crushing and conveying systems (IPCC) we carry out multiple services in the field of conveying and logistics. We assist our clients as independent advisor or owners engineer by reducing costs and strengthening their position with our professional staff.

### We can guide you during the planning process

- CAPEX/OPEX/KPI estimation
- Crushing and screening
- Bulk material handling equipment
- Erection site supervision
- Inspection services (mine, stockpile, port)
- Retrofits, rejuvenations, overhauls
- Production and equipment schedule optimization
- Run-of-mine tonnage and grade scheduling
- Equipment, staff and material requirements determination
- Operational planning (short, mid, long term)
- Project evaluation incl. cost and financial modelling
- Expert witness/reports/arbitration
- Mine closure & relocation planning

### Continuous mining maintenance and optimization methods for various equipment, e.g.

- Shovel and truck in combination with IPCC
- High-end belt conveyor systems
- Bucket wheel excavator and spreader

### Conveyor belt and equipment engineering and services

- Conveyor belt inspections, incl. belt testing and optimization (identify most economic conveyor belt)
- Designing, specifying, supervising and commissioning for conveyors
- Equipment specification and tender assistance
- Materials and components acceptance and performance testing

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# Next Generation Mining

## > Operation

### Drive Operational Excellence across your business

Mining operations are complex, capital intense and productivity is one of the top challenges mining companies struggle to improve on. Therefore our experts are focused on maximizing safety, productivity performance and cost efficiency and environmental stability for your mine operation.

In close partnership with our clients we help mining companies to improve capital effectiveness through sustainable cost reductions and productivity improvements that do not dissolve value. As operators of our own mines, our leading expertise in efficient transport and bulk handling especially in open-pit mining qualifies us to improve your daily mine operation.

### We can guide you during the planning process

- O&M planning support
- Risk assessments
- Process analysis
- Improvement assessments
- Capacity increase programs
- Maintenance system innovation
- Maintenance audits
- Benchmarking
- Structures and organization
- Staff training
- Customized expert teams from RWE open-pit mines

### Your Benefits

- Increase resource efficiency and capital productivity
- Improve economics and maintain mine profit
- Build capabilities within your operations

**Download:**

# Next Generation Mining

## > Training

### Customized Training Programs

RWETI has developed professional and customized staff training and workshops, that focus on geotechnical, operational, maintenance, safety and management topics relevant to open pit mining. Our educational programs are designed for engineers, geologists, operators, mine superintendents and managerial staff.

We provide practical training exercises or on-the-job training at your site, at our offices or at RWE mines. In addition we offer a range of on-demand workshops that can be presented at site to in-house staff. If desired our training can have a strong focus on continuous mining equipment and uncover unique mining expertise from our own operations. Each course is structured in modules which can be customized to local conditions, mine equipment and existing knowledge of staff.

All training and workshops can be tailored to meet specific client requirements.

### On-site and Training Center

Training programs can be structured and delivered in the most cost-effective way to achieve the learning outcomes you need for your staff. RWE training teams have run major on-site courses in opencast mines and other locations around the world. Where appropriate, key members of your team can combine on-site training with periods spent at our Training Centers and RWE mines in Germany.

#### Benefits for Corporations

- Built capabilities in your mine operations staff
- Broaden the skillset of your teams
- Encourage employees with professional development opportunities
- Incentivize employees with professional training from RWE mining experts
- Keep up-to-date with technical and market dynamics in the mining sector

#### Benefits for Professionals

- Enhance and/or refresh open pit mining operations expertise
- Learn and develop leadership skills
- Learn from leading RWE mining experts
- Keep up-to-date with industry dynamics

**Download:**

# Next Generation Mining

## > Reclamation

### We help you plan, assess, design, construct and monitor your mine restoration project

Any professional mine closure starts with early conceptual closure plans prior to production, periodic updates throughout the mine life cycle and a final decommissioning plan. Due to RWE's own responsibility as one of the biggest mine operators worldwide, we know exactly when, how and at what risks and costs to prepare for mine reclamation. This makes us the partner of choice for many clients facing mine closure projects.

We help clients to develop appropriate mine closure plans to meet specific project needs and comply with environmental and local requirements. Our services cover mine closure planning, consulting in post-mining liabilities and are based on international standards.

### Our key services:

- Site investigation/inventory
- Assessment of closure requirements and remediation objectives
- Preparation and review of closure plans and remediation concepts
- Alternatives analysis
- Pre-closure long-term monitoring of mine site
- Development of post-mining concepts
- Reclamation, redevelopment, restoration and revegetation
- Assistance with public consultation
- Environmental site assessment
- Feasibility studies
- Construction management
- Implementation of mine closure and remediation programs
- Evaluation of mine closure, remediation and long-term maintenance costs
- Generation of long-term stewardship models

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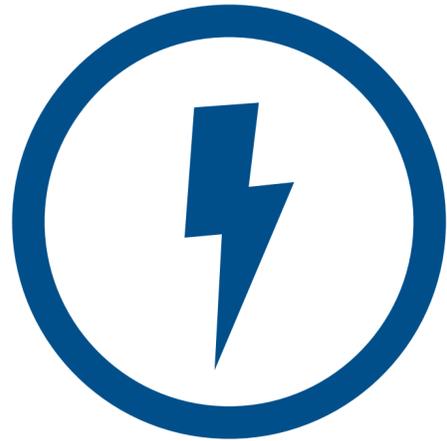
# The Power to Make a Difference

A photograph showing two workers in safety gear (hard hats, safety glasses, and high-visibility vests) pulling a thick rope attached to a wind turbine tower. The tower is white and has a red lattice structure at the top. The background features a clear blue sky with scattered white clouds and a green field. Other wind turbines are visible in the distance.

We offer technical consulting services and investment support for renewables, covering a variety of technologies including solar, wind, hydro, biomass and energy storage. We support public and private customers offering a comprehensive package of consultancy and engineering services to investors, lenders, owners, developers and IPPs. Throughout the project life-cycle we support our customer's decision-making from initial feasibility and due diligence through to project and operational advice to decommissioning. Because sometimes less really is more.

# The Power to Make a Difference

> Sectors & Services



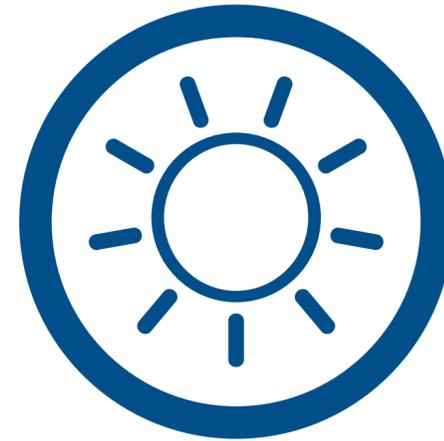
**Energy Storage**



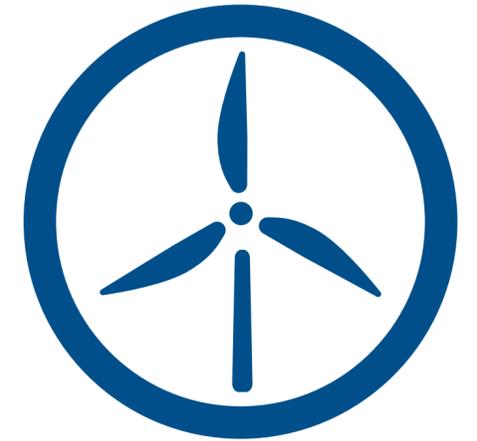
**Bioenergy**



**Hydro**



**Solar**



**Wind**

# The Power to Make a Difference

> Projects



## Energy Storage

Storing energy isn't new, but the market dynamics with technology, competitive and regulatory trends are. Our expertise covers the complete range of storage system types and capabilities including: batteries, grid balancing, frequency regulation and support systems, power-to-heat and power-to-gas, pumped hydro, grid-connected and stand-alone systems, utility scale to domestic, industrial and commercial portfolios – we offer you a wide range of specialist advisory.



## Bioenergy

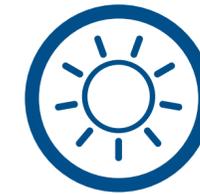
Bioenergy accounts for roughly 10%\* of world total primary energy supply. It plays a crucial role in many developing countries, where it provides basic energy for cooking and space heating. We support clients in developing customized bioenergy concepts making use of our specific project know-how in co-generation, biomass combined heat and power plants, biogas and biofuel plants.

## BIOENERGY



## Hydro

There is a worldwide growth in the use of Hydro Power as an environmentally friendly form of power generation. We provide support in design, engineering, consulting from concept to commissioning of hydro power plants. Our project expertise spans, storage, pumped storage, run of river, and any size of hydro power plants.



## Solar

Solar energy is one of the most widely used renewable source replacing the hydrocarbon-based generation. We support energy producers, system operators, project developers, packagers and other stakeholders to develop, build and operate photovoltaic (PV) and concentrated solar power (CSP) plants.



## Wind

Wind farms are gaining significance for regional and local supply of power and heat. We support the planning and realization of on- and offshore projects worldwide, for both smaller and larger companies, wind turbine manufacturers and wind farm developers. Furthermore we work as specialists and consultants for other companies requesting site experts, supervision and project management competences on specific projects.

# Energy Where And When It Is Needed

We are specialists in generator installation from initial grid connection feasibility, electrical design, testing right through to construction supervision and project handover. We provide technical, process and energy storage advice to connect renewable and non-renewable generation to the electricity grid. Our team of electrical engineers and technical advisors have extensive experience as "Owner's Engineer" working for major developers.



# Energy Where And When It Is Needed

## > Sectors & Services



### Grid Connections

Do you need to connect your generation asset to the grid? We are experts in designing and building grid systems that connect generated energy to the electricity grid.

#### Easily connected

- Planning
- Development
- Construction
- Performance testing supervision



### Backup Power Systems

Does your business have critical systems that must be available 24/7? Our Backup Power Solutions help you to balance fluctuations in grids in a most resource-saving way. Our battery specialists provide tailored solutions for every customer that suit you, your options and your ever-changing business model.

#### We develop your storage business model

- Planning
- Project procurement strategy
- Cost estimates
- Implementation



### Energy Efficiency

Is it time to manage your energy more efficiently? Our experienced energy experts, planners and engineers will help you create an effective plan, gain senior management support and work with you to realize your energy and carbon-reduction goals.

#### Safe Energy and Money

- Feasibility studies
- Due diligence
- Site investigations
- Project review and risk assessment

# Worldwide Activities

Click through the project highlights to view our global capabilities.



## People

The success of our consultancy has its roots in our long-term, hands-on background. In fact, all our experts have a substantial amount of first-hand experience, not to mention a successful track record, in the business areas from which they now accept project mandates.

## Our Promises

Each employee of RWE TI is a subject matter expert in a specific field, possessing a wealth of professional knowledge, not to mention a far-reaching network covering energy and industry companies and a large number of managers and specialists.

Watch the “Difference in Engineering Consulting” video to learn how people of RWE TI can make a difference to your energy business:



# Our Team

## People at RWE Technology International

What is it that makes the difference in engineering consulting? It is the people and their expert knowledge. Our success is due to our hard-working team of experts, who have various unique depth and breadth in specific areas of engineering practices, skills, knowledge and expertise. Despite their diverse competencies they all have one thing in common: a passion for our client's challenge.

**Meet our managers and experts and click through our team below to view the people on our website.**

# Contact

## General Enquiries

If you have questions or would like to learn more about the services we provide, please call **+49 201 12 28742** or select **CONTACT US** to submit your inquiry.

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