COMPANY PRESENTATION

Ingo Alphéus
CEO, BELECTRIC GmbH
BELECTRIFIED.

OUR VISION
A leading green energy company with the goal to enable people to improve their quality of life by using energy more innovatively through sustainable technology and services.

OUR BUSINESS
Designing, building and operating utility-scale PV and hybrid power plants as well as battery storage systems.
BELECTRIC is one of the leading PV technology companies worldwide with over 400 commissioned PV plants.
FROM ECO-FRIENDLY AND AFFORDABLE POWER GENERATION TO INTELLIGENT POWER DISTRIBUTION

Company profile

Our core capabilities

Engineering, procurement & construction (EPC), project management and Operation & Maintenance (O&M) of PV power plants, hybrid power plants and battery storage systems

Our target

Achieve highest environmental friendliness, security of supply, and cost-effectiveness in the energy system of the future

> 400 realized PV Power plants

> 3,0 GW installed capacity

> 2,7 GW in O&M

Since 2001 pionier im solar and batteries
Since 07/2020 part of RWE renewables
INTERNATIONALISATION AND INNOVATION AS KEY SUCCESS FACTORS

From PV pioneers to global leader

1st EPC company
Worldwide with an installed capacity of > 1 GW

Almost 2 decade one of TOP 10 – EPC worldwide

< 10 years from a start-up to a global player

Operated & grown by owners management

Pioneers in developing utility scale PV

“Early Mover” in developing new markets

From PV pioneers to global leader
EPC AND O+M SERVICES SPECIALIST WITHIN RWE’S GLOBAL RENEWABLES DIVISION

Part of one of global Top 5 renewable company

A global player with a well diversified renewables portfolio

RWE Renewables well positioned from the start

1. EPC & O&M services specialist within RWE’s global renewables division.
2. A global Top 5 renewable company.

RWE Renewables

Globally owned renewables capacity:
- No. 1 worldwide
- No. 3 in Europe
- No. 2 in offshore wind

A broad technology mix

Renewables capacity by technology:
- Hydro: 5%
- Offshore wind: 65%
- Onshore wind: 26%
- Other: 19%

Renewables capacity by country:
- Germany: 20%
- UK: 24%
- US: 35%
- others

1. Pro forma combined renewables capacity (Germany only) as of 31 August 2018, RWE portfolio as of 1 January 2019.
WITH OPERATIONS IN 12 COUNTRIES WE COMBINE GLOBAL STANDARDS WITH LOCAL FLEXIBILITY

International network of companies

- 12 countries
- 4 continents
- 755 employees
INTERNAL CAPABILITIES TO OPTIMIZE PRODUCTS FROM ALL AREA OF THE VALUE CHAIN

All-round expertise inhouse

**RESEARCH & DEVELOPMENT**
- Innovation screening
- System Design: LCOE & NPV modeling
- Quality guidelines

**PROJECT DEVELOPMENT**
- Scouting
- Permitting
- Construction permit
- DC & AC Engineering
- Procurement

**EPC**
- Construction
- Grid connection
- SCADA & Monitoring

**O&M**
- Technical Asset Management
- Cyber Security
- Big Data driven O&M
- Preventive & predictive maintenance

*only in Germany
HS&E management is part of our DNA

HS&E for us is not just a set of requirements and guidelines. It’s integral part of our corporate values. Wherever we work for you – implementation of our global standards is ensured.

As subsidiary of RWE, Belectric’s HS&E is part of an advanced organisation with strict policies based on many years of experience from thermal power stations and mining as well as power and gas networks.

Strict behavioral and procedural guidelines and comprehensive mandatory trainings with particular focus on asset operation, project management, contractor management.

- Certification of BELECTRIC GmbH according to ISO 45001 (previous OHSAS 18001)
Support for biodiversity

- Sensible integration of solar power plants into existing landscapes
- Creation of a biosphere in the middle of a cultural landscape
- 99% of natural areas are still present
- Decentralised solar energy improves independent, regional power generation and biodiversity

> 80% of the power plant operators we surveyed are in favour of increased ecological use of the area
COMPREHENSIVE SKILLS AND TRACK RECORD IN CONSTRUCTION AROUND THE GLOBE

We’re building solar & battery storage systems on 30 sites on 4 continents
WE HAVE BUILT MORE THAN 3000 MWP OF SOLAR POWER PLANTS – ON ALMOST ALL CONTINENTS

Proven international EPC track record

- **3312** MW built
- **2790** MW in O&M
- **601** MW under construction
REALIZING PV POWER PLANTS IN ALL CLIMATE CONDITIONS

Projects „under construction“

- **Limondale, Australia**
  - Year of completion: 2020
  - 349 MWp; Full-EPC + O&M

- **South Amman, Jordan**
  - Year of completion: 2020
  - 40 MWp, Full-EPC + O&M

- **Haringvliet, Netherlands**
  - Year of completion: 2020
  - 38 MW, Full-EPC + O&M

- **Hull, Canada**
  - Year of completion: 2020
  - 30 MWp; Full-EPC + O&M

- **Alarcos, Spain**
  - Year of completion: 2020
  - 49 MWp, Full-EPC + O&M

- **Battery Storage Lisdrumdoagh, Ireland**
  - Year of completion: 2021
  - 60 MW, Full-EPC + O&M
Pavagada, India
350 MWp
Zeelim, Israel
120 MWp
Ashalim Sun, Israel
35 MWp
Hull, Canada

30 MWp
Templin, Germany

128 MWp
“An ocean of solar!”

PEG®
Removing complexity of solar
PEG®
Removing complexity of solar
Rollys-Royce, UK

1,4 MW
Apollo Tyres, India
10 MWp
Berlin, Germany
2 MW Hybrid
Saudi Aramco, KSA
World’s biggest PV carport
Chemnitz, Germany
Battery Storage
Herdecke, Germany
Battery Storage
Pen y Cymoeddd, UK
Battery Storage
STRONG RELATIONSHIPS ENSURING A GLOBAL TEACH INTO THE ENERGY BUSINESS

Broad global customer base
As one of world’s most experienced O&M providers, BELECTRIC is operating >2,700 MW PV power. This corresponds to >US$ 3.5 billion of operational PV assets under contract.
EXPERTISE AND LONG-TERM RELIABILITY AS KEY FACTORS FOR BELECTRIC’S BEST-IN-CLASS SERVICES

Our full package O&M ensures maximization of daily energy yield

- 24/7/365 service coverage
- Detailed monthly, quarterly, and annual reports
- Board reporting
- Asset management assistance (regulatory, UTF, financials)

- Web-based monitoring system with a permanent and real-time data access
- Extensive data reports and analysis functions with all important power plant parameters
- Preventive maintenance (inspections, landscape, cleaning)
- Corrective maintenance (repairs, analytical fault detection etc.)
- Management of specialised subcontractors

- Plant start up control procedure
- Continuous surveillance
- Ticket generation, service activation, and completion notification
- Technical retrofitting & upgrading available to improve plant performance
- Internal engineering department supporting O&M
- Spare parts management
Our full package O&M ensures maximization of daily energy yield

**On-Site Inspections**
- Planned routine services
- Preventive maintenance procedures and part replacements
- Special equipment/analysis proactively detect threats
- Thermal analyzing prevents energy yield loss

**Cleaning – Performance even in dusty environments**

**Predictive & reactive maintenance**
- Spare parts package with forecasting, in-house warehousing and replenishment via RMA
- Real-time plant monitoring & rapid fault response increases equipment availability & reduces downtimes
- Specialized inverter maintenance training In-house

**Landscape Care**
LONGTERM EXPERIENCE IN NEARLY ALL AREAS AND ALL CLIMATIC CONDITIONS

O&M Global footprint

- 2790 MW in O&M
- 3,5 bn US$ PV assets
- 4 continents
THE FUTURE IS SOLAR.