



r.e.think energy

Digital Transformation in O&M

Overview:

BayWa r.e. Operation Services

More than a buzzword:

Digital transformation unlocks value

A clear path:

BayWa r.e. Services Digital Strategy

3

4

Our commitment to transformation:

Implementation examples & outlook





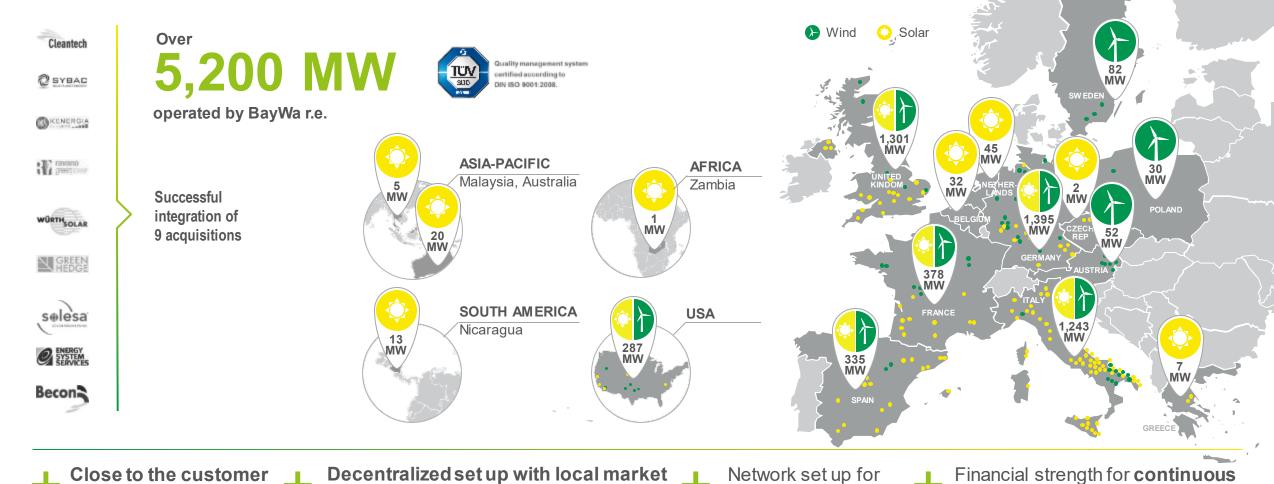
Overview:

BayWa r.e. Operation Services



Overview

BayWa r.e.: Committed to local markets and empowered through global systems





in all addressed markets



economies of scale

experts, strong partners & relationships

improvement & innovation

Full Operations Services Capabilities for Wind & Solar



Power Plant Operation

- Technical Operation Management
- Commercial Operation Management

Monitoring, Data & IT Security

- 24/7 Control Center
- Inhouse SCADA & Cybersecurity Experts



- On-Site Service
- Rotor Blade Service
- Heavy Load Logistics
- High Voltage Services



Engineering & technical consultancy

- Technical Due Diligence
- Yield & Performance Analysis



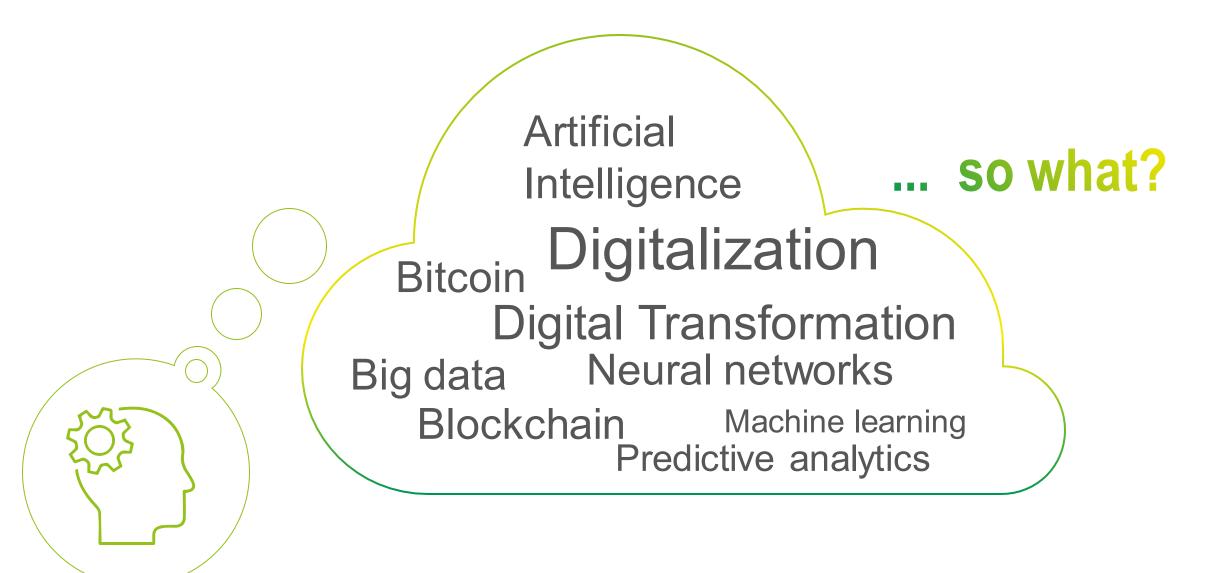




More than a buzzword:

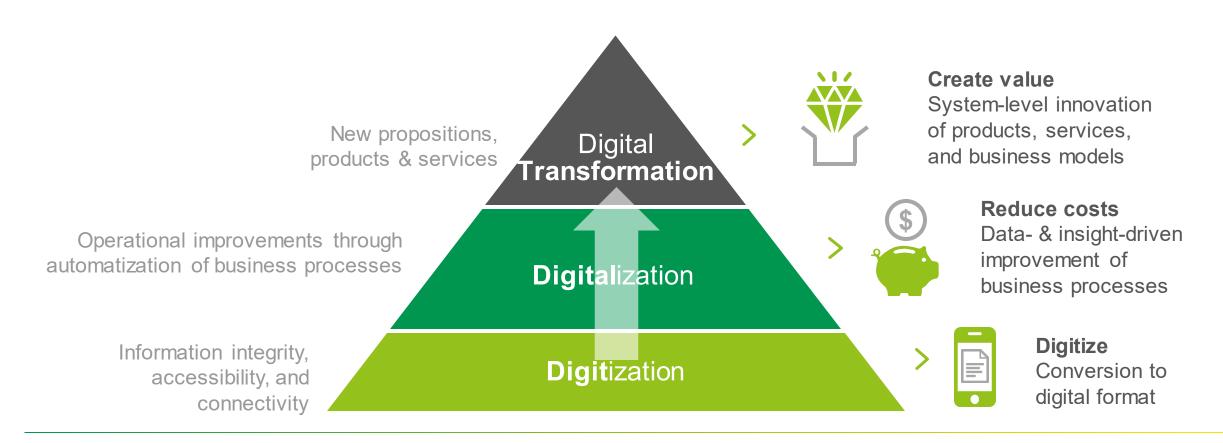
Digital Transformation unlocks value







Digitalization unlocks value creation



Result: Long-term best-in-class **SERVICE QUALITY** and **REDUCED OPEX** for our customers





A clear path:

BayWa r.e. Services Digital Strategy



Our digital roadmap

Set up integrated Digital Enterprise Architecture

BayWa r.e. O&M
Smart Services for Customers

Production	Technical Work	Service Level	Cyber
Optimization	Management	Management	Security
Predictive &	Unified Digital O&M Processes	Forecasting	3 rd Party
Prescriptive		Service	Services, Plug-
Maintenance		Demand (AI)	in Management
Supply Chain Optimization	Field Service Management	Service to Cash (Commercial) Management	Customer 360 View

Renewables O&M Service Platforms Management

Renewables Technical Asset Management

Acquisition & Communication Management

Optimize existing operations

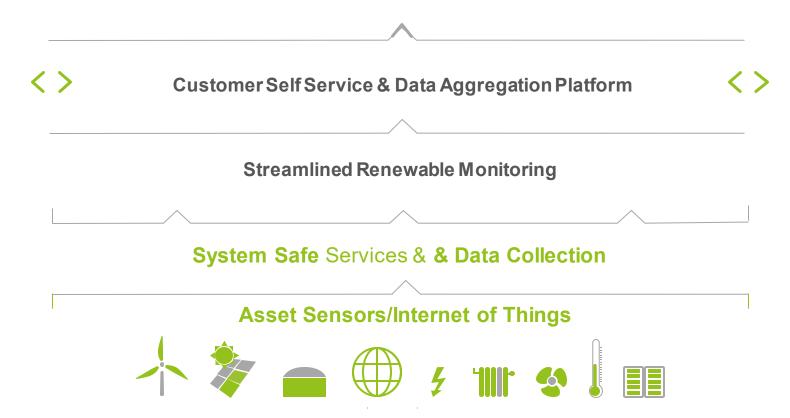
Co-create new business models



Key component: Fully integrated Digital Enterprise Architecture



Internal Enterprise
Processes





Added Value

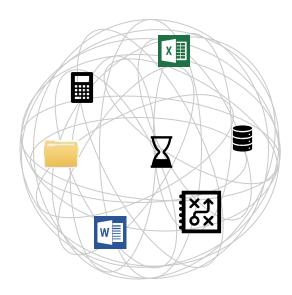
Services

Our Digital Transformation journey

Standalone systems

Yesterday

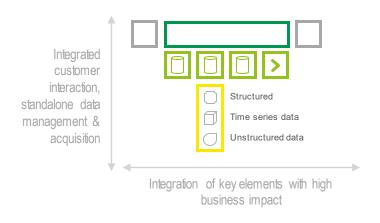
- Low integration between systems and across business entities
- Little positive effects from scale



Transition Architecture

Today

- Efficiency increase by integration of key
 elements with high business impact
- Significant investments
- Redundant/parallel systems



Fully integrated Digital Operation Architecture

Tomorrow

- Significant efficiency increase
- Enables insight-driven improvement of business processes







Our commitment to transformation:

Implementation examples & outlook



PowerHub: Customer Self Service and Global Service Platform



Efficient Portfolio Management

Have an overview of your assets, your projects and all operational KPIs.

- Efficient asset management
- Centralized information and documentation
- Intelligent task and events management



Advanced Data Management

We help you to make informed decisions by turning data into information.

- Automatic workflows and reports
- Intelligent performance and assets reports
- Intelligent financial information



Unique Customer Experience

Customizable features, adapted to your needs, allow for a more efficient review of your assets.

- Absolute information transparency
- Customize your dashboards
- Customize your reports



Complete software solution to streamline diverse data systems into single source of truth



Current initiatives: Immediate business impact & concrete steps toward the fully integrated O&M experience



Less manual reporting effort, less effort for management of tasks & compliance, less data input, less manual invoicing/billing -> more capacity for value-adding tasks



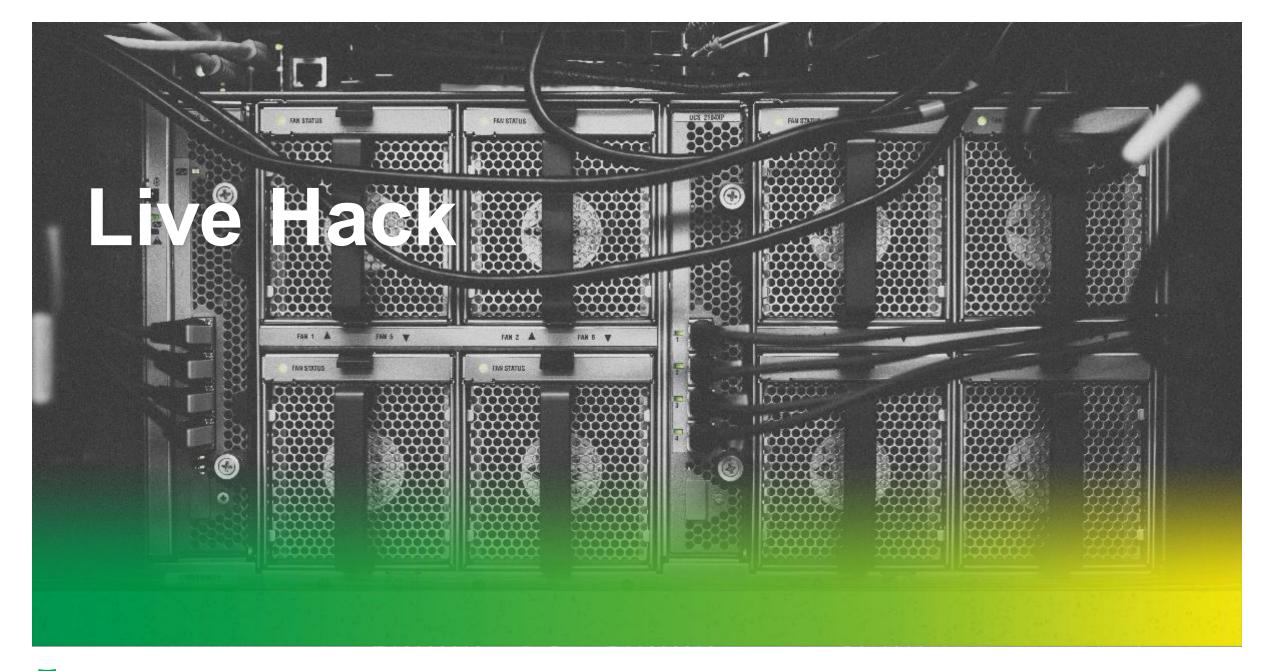
r.e.levant r.e.sponsible r.e.duce r.e.think r.e.cycle r.e.spect r.e.flect r.e.lation r.e.newable

Verantwortlich:

Marc Niem marc.niem@bayw a-re.com

BayWa r.e. Operation Services GmbH

Arabellastr. 4, 81925 München Telefon +49 89 383932-0 www.baywa-re.com









r.e.think energy

r.e.sponsible r.e.levant r.e.duce r.e.think r.e.cycle r.e.spect r.e.flect r.e.lation r.e.newable

Verantwortlich:

Mohamed Harrou mohamed.harrou@baywa-re.com

BayWa r.e. Operation Services GmbH Arabellastr. 4, 81925 München Telefon +49 89 383932-0 www.baywa-re.com

www.system-safe.de