

# Company Presentation



More than 3,3 GIGAWATTS  
of experience



March 2021

## Our Vision

We believe in the **sustainability of renewable energy** as a macro trend of business matters.

We recognize that solar power is emerging as a **mainstay power supply technology** and will contribute **significantly to the future energy mix** across the world.

**We are fully committed** to contributing to innovation and growth in renewable energies global wide.

## Our Mission

Global development with our **top expertise in renewable energy and PV**

Advancing this industry by **serving our clients and creating measurable value** for them.

Proceeding with the **large-scale utilization of renewable energies and PV** with our **entrepreneurial drive**, committing our own resources and joining forces with as well as **providing knowledge** to local partners for the deployment of PV projects in selected emerging markets.

# **Company Profile**



<b><i>Established</i></b>	2009/03/18
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<b><i>CEO</i></b>	Uwe Rosenkranz
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<b><i>Business areas</i></b>	Mega Solar, Roof-top, Carports, Solar Sharing, Greenhouse, Floating System, Engineering, EPC, O&M
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<b><i>Company capital</i></b>	50 M JPY
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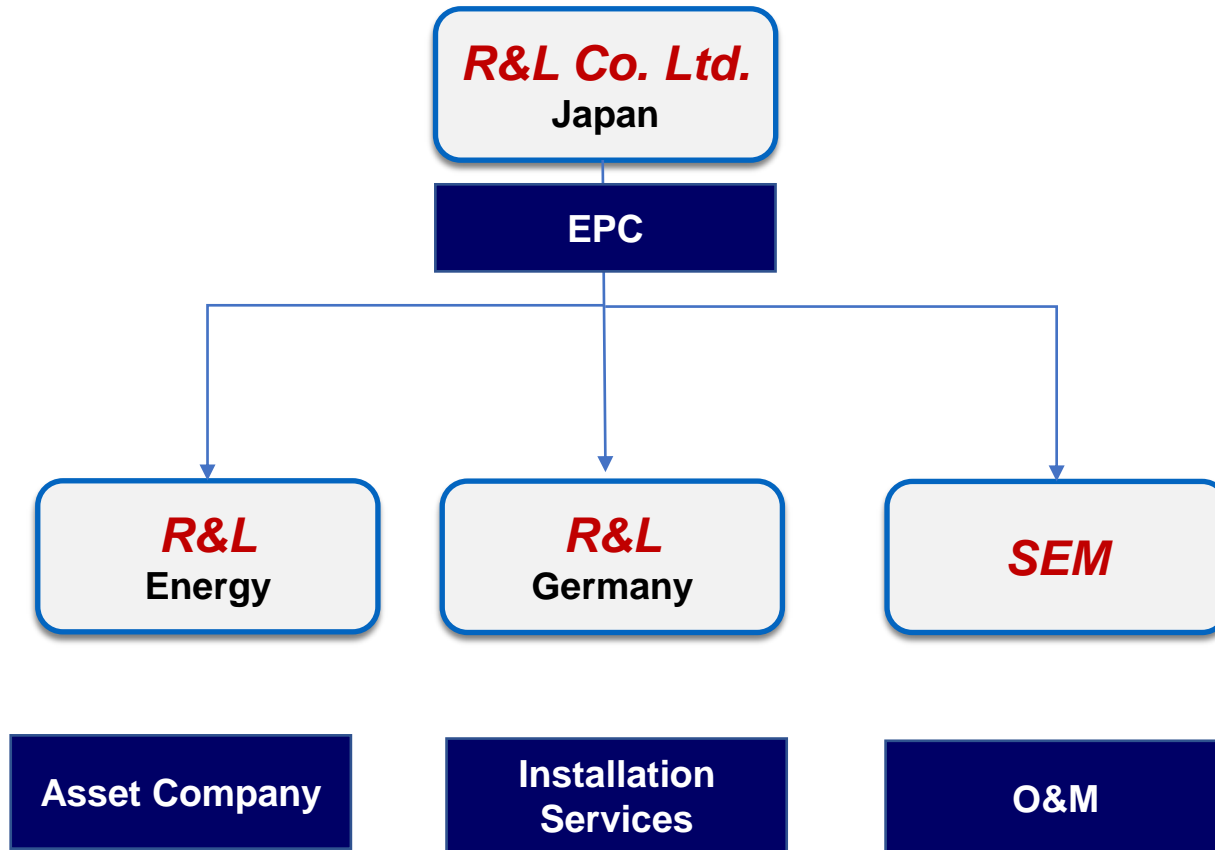
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<b><i>Employee</i></b>	50+
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# *Operating in 3 continents*

APAC, EUROPE







**Uwe Rosenkranz**

CEO, Founder

Uwe is a German-educated Engineer, having worked three decades as a Service Manager in Japan and with almost 20 years' experience in the Photovoltaic (PV) industry,

His work throughout Asia and Europe has established him as a world-acclaimed engineer in the PV field and a considered expert in a technology-based industry that is fast-developing and emerging across the globe - as renewable energy becomes a highly sought-after and vital social necessity. His cutting-edge knowledge and leadership sees him as an industry expert and an exemplary advocate of solar energy.



**Suhong Li**

CFO, COO,  
Co Founder

Suhong is the Co-Founder, CFO, and COO of the operations in Japan.

With over 10 years of experience in the industry, both in the field and in the headquarters, Suhong's project management expertise is highly regarded within both the international and local PV communities in Japan. Her hands-on, technical, and cultural understanding leaves clients and contractors with a peace-of-mind and a tendency to establish relationships and to rely on R&L for future endeavours.

# **Achievements**

**Number of Projects: + 200**  
**Total Capacity: + 3,300 MW**

- **Preliminary Engineering:** > 1,300 MW
- **EPC:** > 300 MW
- **Mechanical Installation:** > 1,700 MW

Year	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Projects	6	11	9	5	3	8	23	19	41	15	22	8	25
Capacity (MW)	2,85	9,63	11,40	15,50	3,25	15,08	140,55	404,45	1,435	394	297	357	279

# ■ *What we do*

1



## ENGINEERING

- Topographical Survey
- Geotechnical Survey
- Test Piling
- Full Engineering, incl.
  - Civil Design
  - PV Design
  - Electric Design

2



## EPC

- Ground mounted
- Roof Top
- Solar Carport
- Floating PV
- Solar Sharing

3



## O&M

- Monitoring and Reporting
- Preventive Maintenance
- Corrective Maintenance
- Module cleaning
- Surface Management (Grass cutting, snow cleaning)
- Thermo camera inspection
- Retrofit



# ■ *What makes us unique*



- Highly experienced company in the global renewable energy industry
- Competent team with more than 15 years and 3,300 MW experience
- Global presence in key markets
- German Engineering, Japanese QM and Chinese OEM
- Latest Technologies
- Ability to execute all sizes of utility scale projects
- Experience with off grid and battery storage projects



# ■ **Technologies – Floating PV**

- **Generate more electricity than ground-mount and rooftop systems due to the cooling effect of the water**
- **Reduce water loss due to evaporation**
- **Faster to be deployed**
- **Improve water quality, by blocking algae growth through shading the water**



# ■ **Technologies – Single axis tracking**



Typical size	Up to 190 m - up to 5 m width
Array height	Up to 2.5 m
Features:	Self-locking drive in any angle
Wind protection	Zero degree stow position
Tracking range	$\pm 60^\circ$
Slope	GRADIENTS OF UP TO <b>+/- 36 %</b>



- Excludes torsion
- Highest wind loads
- + 30 years design lifetime
- As stable as a fixed tilt system

## **Flexible Configuration**

Glass-Glass  
1.500 V  
String Optimized



High Wind  
High Seismic  
High Snow



Flexible Planning  
Grading Free  
Construction



## **High Performance**

3D Backtracking  
No Shadowing  
Higher Yield



Patented Drive  
Wear-free  
Torsion-free



System  
Availability  
99.5%





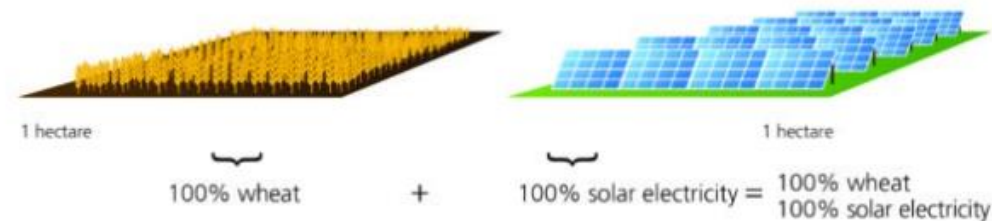
# ■ ***Solar Sharing - Tracking***

Continue farming while generating solar energy.

Typical size	Up to 190 m - up to 5 m width
Array height	Up to 2.5 m
Features:	Self-locking drive in any angle
Wind protection	Zero degree stow position
Tracking range	$\pm 60^\circ$
Slope	GRADIENTS OF UP TO <b>+/- 36 %</b>



**Separate Land Use on 2 Hectare Cropland**



**Combined Land Use on 2 Hectare Cropland: Efficiency increases over 60%**



# ■ *Construction and Commissioning*

## *We finish your project on time and withing budget*

When construction a solar farm , we take care of every step of the construction process from the initial site preparation to the end of the commissioning process. Our team of experienced construction supervisors works together with certified local partner companies to deliver your project in highest quality , on time and withing and according our agreed budget.

## *What we offer*

- Turnkey project delivery
- Construction supervision for each work package
- ISO certified Quality Control procedures
- Full compliance with Environmental, Health and Safety requirements
- Frequent progress reporting throughout the build
- Efficient commissioning and testing process supervised be experienced and certified in-house High Voltage Engineers





# ■ ***We are at your service***

## **Performance Monitoring and Quality Management**



To ensure you have full control of your plant and secure maximum yield

## **Technical Management and Repair Service**



To keep your plant up and running even if the unexpected happens

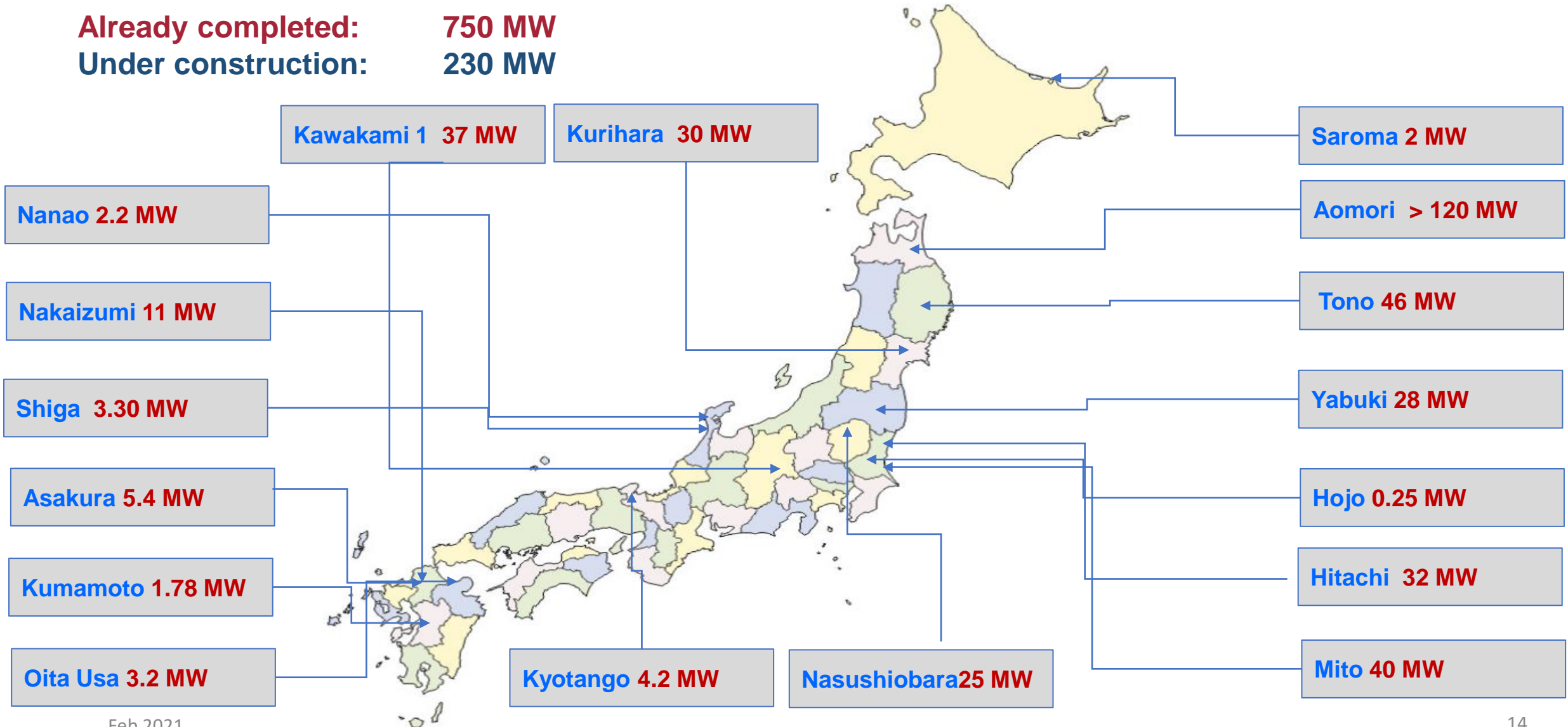
## **Commercial Management and Plant Optimization**



Ensure maximum income

# Selected Projects in Japan

Already completed: 750 MW  
Under construction: 230 MW



# Selected Projects in Australia

**Total:** + 1,800 MW  
**Installation:** + 850 MW

**Agnew 4.5 MW**

**Chichester 60 MW**

**Melbourne AP 32 MW**

**Kiamal 70 MW**

**Limondale 105 MW**

**Corowa 40 MW**

**Yatpool 106 MW**

**Karadoc 112 MW**

**Sunmetals 150 MW**

**Longreach 18 MW**

**Darling Downs 132 MW**

**Hughenden 20 MW**

**Cinchilla 24 MW**

**Daydream 110 MW**

**Bomen 15 MW**

**Wellington 100 MW**

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**Germany**



**Tokyo**  
**Japan**



**Kaohsiung**  
**Taiwan**



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