THE FLOATING SOLAR EXPERT WITH HYDRELIO® TECHNOLOGY
Tracking records – Experience / Proven Technology

- **285+ Projects**
  - Total floating solar capacity installed [Dec-2020]

- **8 Hydrelia® Patent**
  - 70+ million € invested in R&D with 10 Years continual program

- **32 Countries**
  - Total countries with FPV using Hydrelia® technology

- **1.2+ GWP in total**

- **520+ MWp**
  - Total floating connected to grid [Dec-2020]

- **88 MWp**
  - The largest floating PV plant installed with Hydrelia® in Taiwan

- **670+ MWp**
  - Total on-going projects in the pipeline to be connected [Dec-2020]
160 Collaborators
13 Local Offices
40+ Manufacturing Lines
15+ Agents & Distributors
Projects in India

4 Projects signed in India in a short span of 2 years cumulatively 94 MWp

➢ **452 KWp** pilot floating project in CIAL cochin, Kerala - Commissioned in Oct 2019,

➢ **5.4 MWp** floating project for WBPDCIL, Sagardighi, Murshidabad, West Bengal – commissioned by Oct 2020

➢ **14.7 MWp** floating project for SPIC, Thoothukudi, Tamil Nadu- Installation completed, commissioning by March 2021

➢ **75 MWp** floating project Under construction in South India - Installation started in Oct 2020/ Completion by Aug 2021
COMMISSIONED PROJECTS INDIA

WBPDCL, THERMAL POWER PLANT, WB  54 Mwp

COCHIN INTERNATIONAL AIRPORT, KERALA  452 KwP
India’s Largest Installed project 14.73 MWp
ONGOING PROJECTS INDIA

ANCHORING MOORING INSTALLATION ON BARGE

FLOATING SOLAR PLANT – 75 MWp

COMPLETED ANCHORING & MOORING SYSTEM
HYDRELIO® AIR

**MAIN FLOAT SUPPORTING THE PV MODULE**
HDPE material
Inclination angle: 11°

**SECONDARY FLOAT FOR MAINTENANCE & BUOYANCY**
HDPE material
Non slipping surface

**COMPATIBLE WITH 60- & 72-CELL PV MODULES**
Standard framed or frameless

**CONNECTION PIN**
Fiberglass + PP material
Certification NFT 58 000

**RAIL TO FIX THE PV MODULE ON THE FLOATS**
Aluminium
Certified ISO 3302-1/1996

*4-in-a-row*
Most cost-effective solution at 11°

*2-in-a-row*
Easier maintenance
CUSTOMIZED ANCHORING SOLUTIONS

- Design based on wind tunnel tests and continuously adapted following our experience

- **Ratio**: between 15 and 25 anchors per MWp

- Bank, bottom or hybrid anchoring

- Plate anchors, helical anchors, deadweights...

<table>
<thead>
<tr>
<th>ANCHORING MEASURES</th>
<th>Wind speed: Up to 210 km/h (131 mph)</th>
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<tbody>
<tr>
<td>Topography / Bathymetry: 80 m (water depth record)</td>
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<tr>
<td>Soil composition Field tests / SPT (Optional) / Soil composition</td>
<td></td>
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<tr>
<td>Water level variation: 30 m (current record)</td>
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Maximum water level

Movement area
WHY CHOOSING HYDRELIO®?

➢ Unique Master Program to cover entire plant asset for 25 Years

➢ Standard Warranty Program 10 Years

➢ Tough terrain experience with extreme wave conditions, wind conditions, water level variations, Soil conditions, high depth etc

➢ Inhouse Anchoring Design & expertise executed more than 2000+ Design worldwide

➢ Sea wave study collaboration with Principia, a leading offshore player to implement & integrate wind and wave design

➢ Product Certification from highly accredited world class laboratories
QUALIFIED MULTI-TESTS

Strong Winds
- Wind Tunnel real-scale Testing by ONERA and Computed Fluid Dynamics
- Sizing for 60 m/s

Snow & Buoyancy
- Tensile Strength Testing performed up to 1,000 N/m² snow load
- Track-record: 30 cm / -20°

High Irradiation
- Full-scale mechanical validation tests performed up to 50°
- Cumulative UV Testing: 40,000 h (ASTM G154 and ISO 4892-2)

Waves & Current
- Bending Fatigue real-scale Testing: over 2.5M cumulative cycles
- Sizing for waves up to 1 m

Sensitive Water
- Water compliance certified BS6920:2000 and recognized by Japanese Law “Food Sanitation Act”
- Track-record: 20+ plants on sensitive water
THANK FOR YOUR ATTENTION
CONTACT FOR MORE DETAILS

For more information and latest news about floating solar Follow, Like, Comment our LinkedIn page

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