

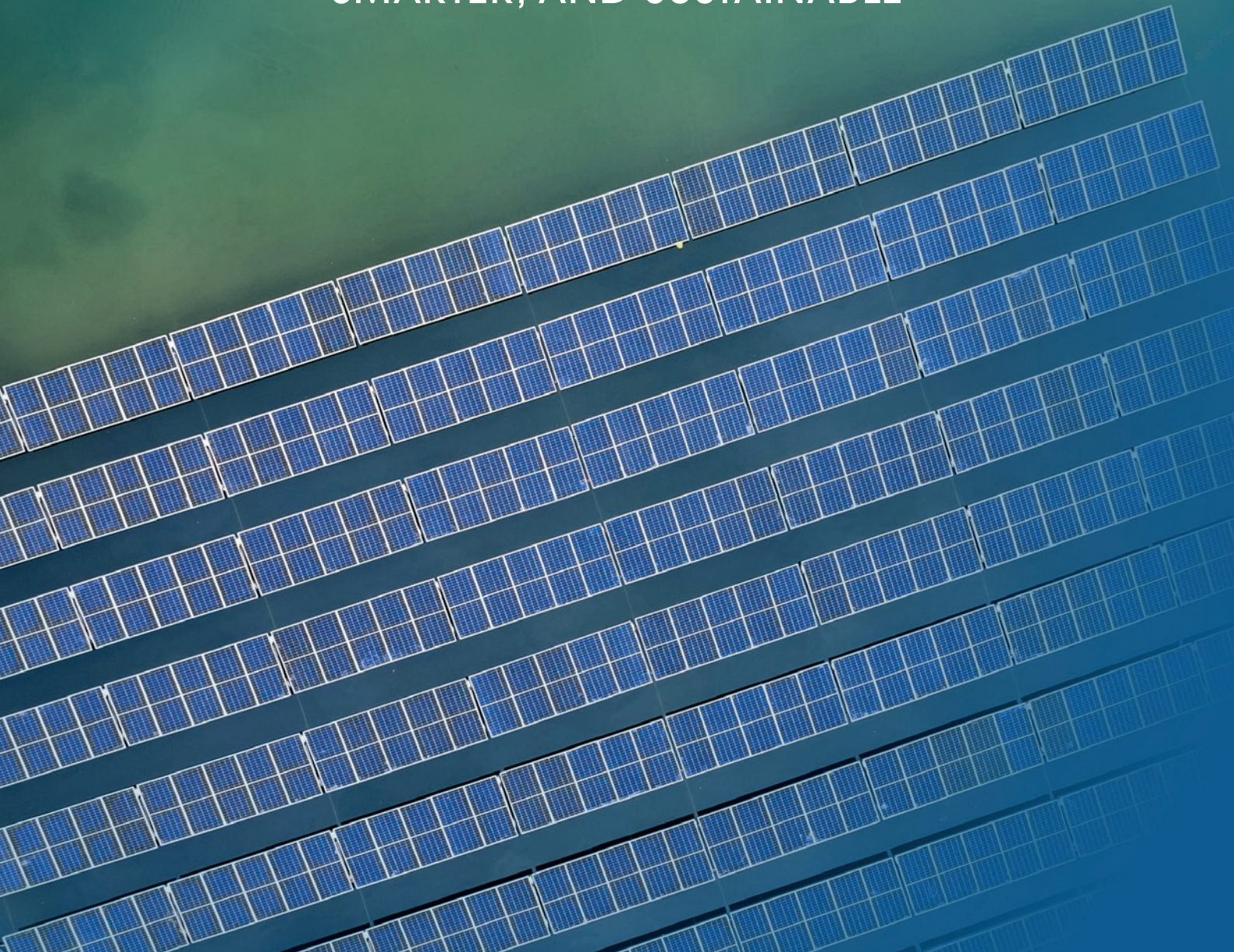


ARaymond®

NELUMA™

FLOATING PV

MADE MODULAR,
SMARTER, AND SUSTAINABLE



FOR OPTIMIZED CAPTURE OF SOLAR ENERGY

NELUMA™

A turnkey, smart-engineered **floating photovoltaics system** setting a new standard for **modular, sustainable solar energy production** on freshwater.



EASY, FLEXIBLE,
FAST INSTALLATION

- Ready-to-use **mobile micro-factory**—on-site production and assembly
- Installation **adaptable** to on-site resources (time, labor)—**500 Man-Hours/MWp**



- **Optimized logistics**—minimal transportation and storage needed
- **Temporary lakeshore use**, leaving no trace, and respecting the surrounding ecosystem



EXCELLENT ENVIRONMENTAL
INTEGRATION

- **Customizable layout**—high adaptability to lake shape and maximized power density
- Panel-size **modularity**
- Minimized anchor points



- **Low carbon footprint**
- **Optimized water coverage ratio**
- **Allows water-air exchange**

NELUMA™ FloatSystem

NELUMA™ MobileFactory





FOR OPTIMIZED CAPTURE OF SOLAR ENERGY



FUNCTIONAL MAINTENANCE

- **Simplified servicing**—mobile maintenance platform gives easy and practical access to panels
- **Extended product lifetime**—services custom and on-demand



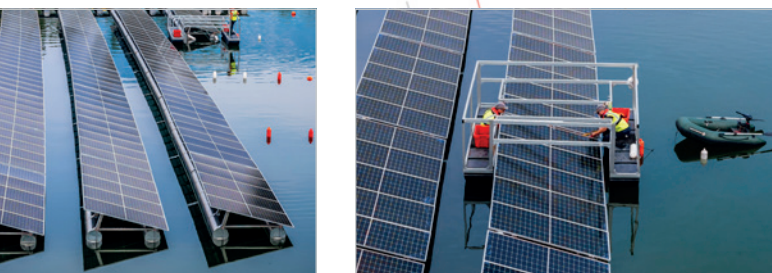
Structure **eco-designed** to be lightweight, using **recyclable aluminum**.

NELUMA™ Services



EFFICIENT AND CONFIGURABLE DESIGN

ORIENTATION	North-South
TILT ANGLE	Up to 15°
FLOATS MATERIAL	100% recyclable, non-flammable marine-grade aluminum
MOORING	Innovative catenary system delivering superior force absorption and load distribution
ANCHORING	Site specific
TEMPERATURE RESISTANCE	-40°C to +85°C
WIND RESISTANCE	160 km/h continuous Gust up to 220 km/h
SNOW LOAD RESISTANCE	Up to 650 N/m ²
WAVE RESISTANCE	Up to 1 m
CORROSION RESISTANCE	IEC 60068-2-52
MINIMUM WATER LEVEL	1 m
DESIGN STANDARDS	Design according to IEC 61215-2 and DNVGL-RP-0584



WELCOME TO ARAYMOND

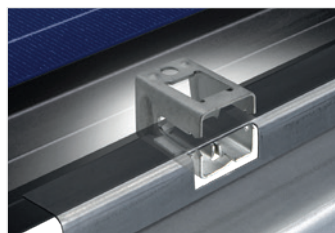
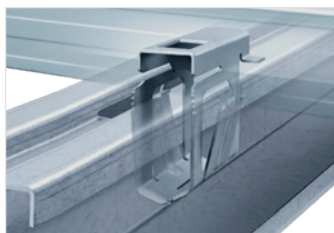
International expert in **assembly, fastening & fluid handling** systems with 160 years of industrial excellence and full partnership approach.



SPEEDING UP THE ENERGY TRANSITION

Since the early 2000s, ARaymond has been designing **screwless solutions** to **make the assembly and installation of photovoltaic solar systems faster and easier**. Supporting customers in reducing the overall cost of renewable energies—including PV fasteners, grounding clips, and cable management components tailored for the solar market.

MORE THAN
22 GW
INSTALLED WORLDWIDE
USING
ARAYMOND FASTENERS



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