



D³|energy

Clean Energy. Made Daily.

&

Ciel
&
Terre

WWW.D3ENERGY.COM

PHONE: (305) 330-6425



The Floating Solar Expert

Company Profile



✉ contact@cieletterre.net

🌐 www.cieletterre.net

TABLE

- p.3 About Us
- p.4 Historical Milestones
- p.5 What We Offer?
- p.6-7 Why Floating Solar?
- p.8 Hydrelío® Technology
- p.9 Projects Overview
- p.10 Collaborations & Partnerships
- p.11 Worldwide Presence
- p.12 Contact Us

ALL RIGHTS RESERVED
The entire contents of this document are the property of Ciel & Terre® or its partners and are protected by copyright.



ABOUT US

Initially specialized in the integration of rooftop and ground-mounted PV systems, Ciel & Terre® has then followed the path of innovation to develop the **patented technology ‘HYDRELIO®’**, an optimized floating system for solar plants to be installed on water.

Ciel & Terre® has been distributing its solution and developing floating PV plants for commercial, industrial, and local government institutions since 2011. As the **floating solar pioneer and expert**, we provide our solution all over the world through strategic partnerships.

Today, **185+ floating PV farms**, equivalent to over **355+ MWp**, utilize Hydrelío® technology and this number is expected to reach **615+ MWp in 2020**.



14

YEARS
EXPERIENCE



12

LOCAL
OFFICES



120+

COLLABORATORS
WORLDWIDE

HISTORICAL MILESTONES

55
Traditional PV plants installed



185+
Floating PV plants installed



70 MWp
The largest floating PV plant using Hydrelío® technology




TRADITIONAL PV

FLOATING PV

2006

Foundation of Ciel et Terre



2009

Arch’Helios® – patented rooftop racking system

2010

Hydrelío® – patented floating PV system
Installation of the first prototype in 2011 (*Piolenc, France, 15 kWp*)

2013

Ciel et Terre International – C&T Holding
Ciel Terre Japan – first office abroad
Installation of the world’s first MW-scale floating PV plant (*Okegawa*)

2015

Floating Solar UK – JV in the UK | CT East Asia Ltd. – JV in China
Techwin Co., Ltd – License in South Korea

2016

Ciel et Terre USA Inc.
CT Taiwan – JV in Taiwan

2017

Ciel et Terre ASEAN & Oceania
Akuo Energy – License in France


2018

Ciel et Terre India
Sunlution | F2B – Licenses in Brazil

2019

Ciel et Terre ASEAN & Oceania – Second Office in Thailand

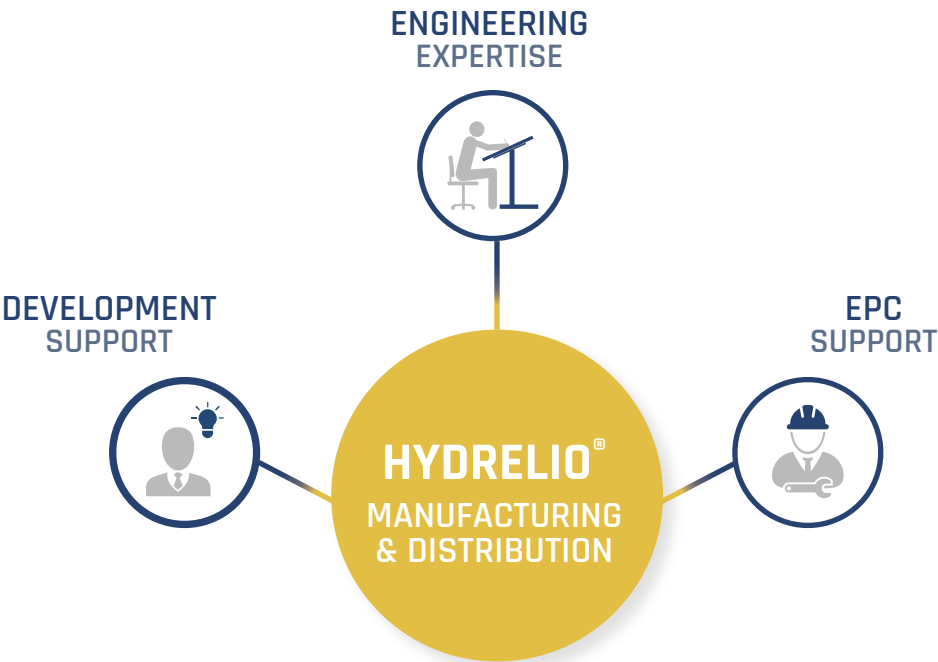
Full orientation towards an innovative concept, ‘floating solar’.



2013 - Okegawa, Japan, 1,080 kWp

WHAT WE OFFER? EXPERTISE WITH CUSTOMIZED SOLUTIONS

Over the years, Ciel & Terre® has gained a recognized expertise and a strong experience in the installation of large-scale floating PV plants on artificial and fresh water reservoirs. Our team has a thorough understanding of floating PV’s challenges and is able to assist you all along the project development process. Our expertise encompasses: feasibility study, engineering design (Hydrelío® and anchoring), supply of anchoring systems, construction training and supervision, as well as consulting solutions.



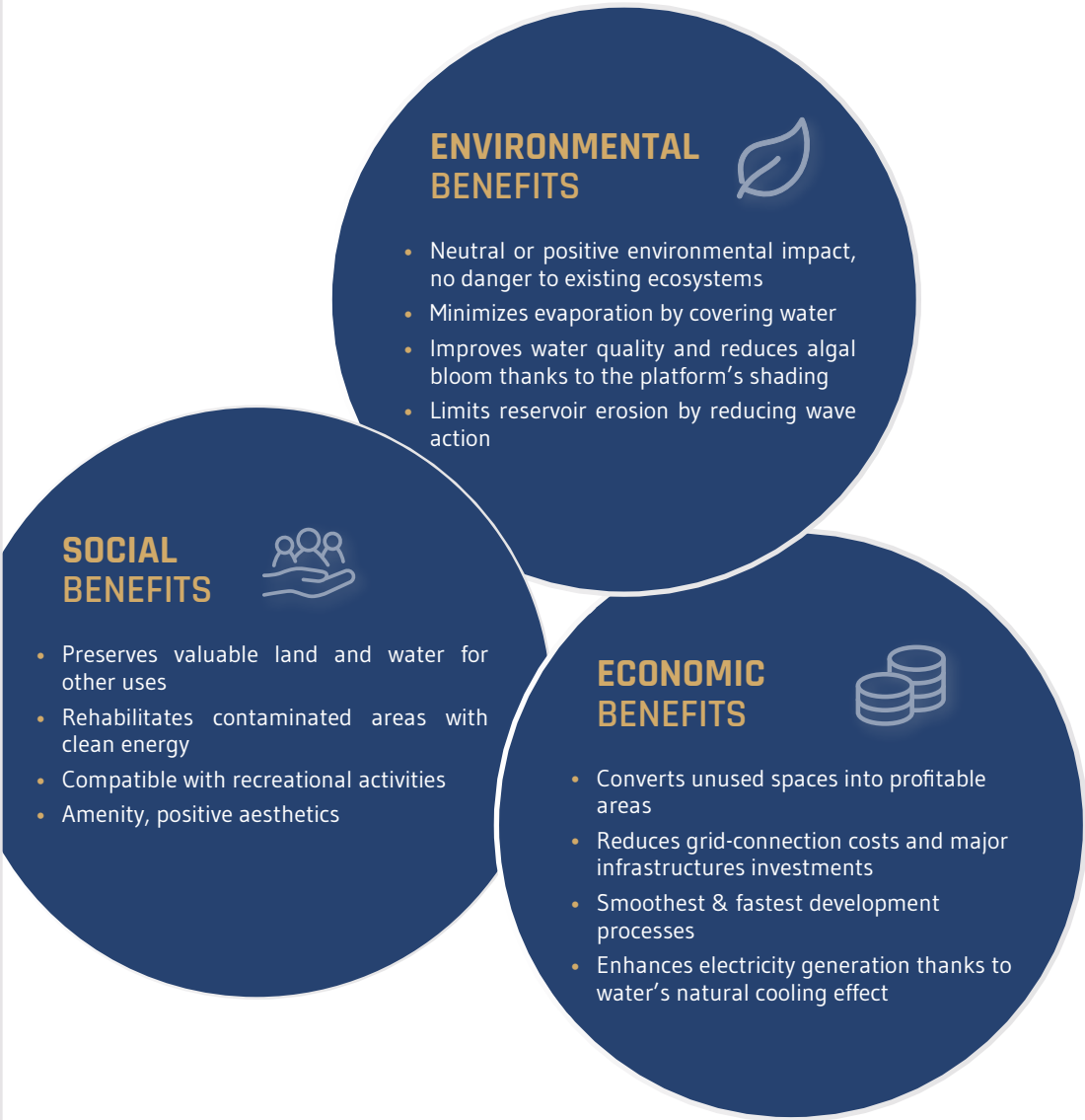
WHY FLOATING SOLAR? AN ALTERNATIVE TO TRADITIONAL PV

Floating solar particularly makes sense in areas **where valuable land is scarce and/or expensive**, for various reasons: necessity to preserve agricultural and natural lands, areas with a high population density, small or island countries... Suitable ground is costly and land is rarely available for solar projects near to grid infrastructures. Taking advantage of these existing but unused water surfaces – often close to the most intensive energy users, namely industrial and urban areas – prevents massive infrastructures, expensive transport and distribution, and technical losses.

Hydrelio® technology is the perfect solution for **many types of water bodies**, including **dams, quarry lakes, irrigation or water-treatment ponds**. Additionally, these man-made reservoirs are typically unobstructed from the sun, kept out of sight, and located near energy-intensive consumption sites making these spaces ideal candidates for solar PV systems.



 **The Third
Pillar of
The Solar
Industry** 
@PVTech Magazine



HYDRELIO[®] TECHNOLOGY

30

LINES OF
MANUFACTURING

7

REGISTERED
PATENTS

9

YEARS OF
CONTINUOUS R&D



Hydrelion[®] Classic
The standard version



Hydrelion[®] aiR
The 'airy' version



Hydrelion[®] Equato
The low-tilt version

The Hydrelion[®] product line is composed of 3 products adapted and designed in accordance with regions' and markets' specificities.

Developed in 2010 and largely deployed across **30 countries**, Hydrelion[®] technology is continuously optimized thanks to R&D efforts and manufactured as per a strict quality process in any country. Lab-tested and field-proven worldwide, Hydrelion[®] is recognized as the 'standard' in the floating PV industry, and has successfully demonstrated its **durability and bankability**.

THE HYDRELIO[®] CONCEPT: 'SOLAR, ON WATER'

Blow-molded HDPE floats supporting PV modules, and assembled together to form a floating PV platform.



RELIABLE,
STRAIGHTFORWARD,
ECO-FRIENDLY.

PROJECTS OVERVIEW



France | 17,015 kWp



England | 6,338 kWp



Japan | 2,313 kWp



China | 32,686 kWp



South Korea | 495 kWp



Netherlands | 1,845 kWp



USA | 4,403 kWp



Taiwan | 4,023 kWp



Cambodia | 2,835 kWp



India | 450 kWp



Brazil | 1,004 kWp

615+
MWp

in total

TRACK-RECORD

185+ Projects
Connected

In 30 Countries
on the 5 continents

IPP PROJECTS (INDEPENDANT POWER PRODUCER)

40 Floating Plants
Equivalent to **50+ MWp**

70+ Million Euros
Invested

COLLABORATIONS & PARTNERSHIPS



Bernard PROUVOST
Founder & Chairman



Alexis GAVEAU
CEO

At Ciel & Terre®, we aim to **deliver high quality services to our customers**, by investing in R&D to improve our system and recruiting experts of the solar market. Our team – mainly composed of **engineers and business developers** – counts more than 120 collaborators worldwide and will accompany you throughout the development of your floating PV projects.

We are proud to develop our activity all over the world, setting up partnerships based on **trust, transparency and mutual willingness** to share best practices, knowledge and experiences.



OUR
MOTTO

PROXIMITY,
QUALITY,
INNOVATION.



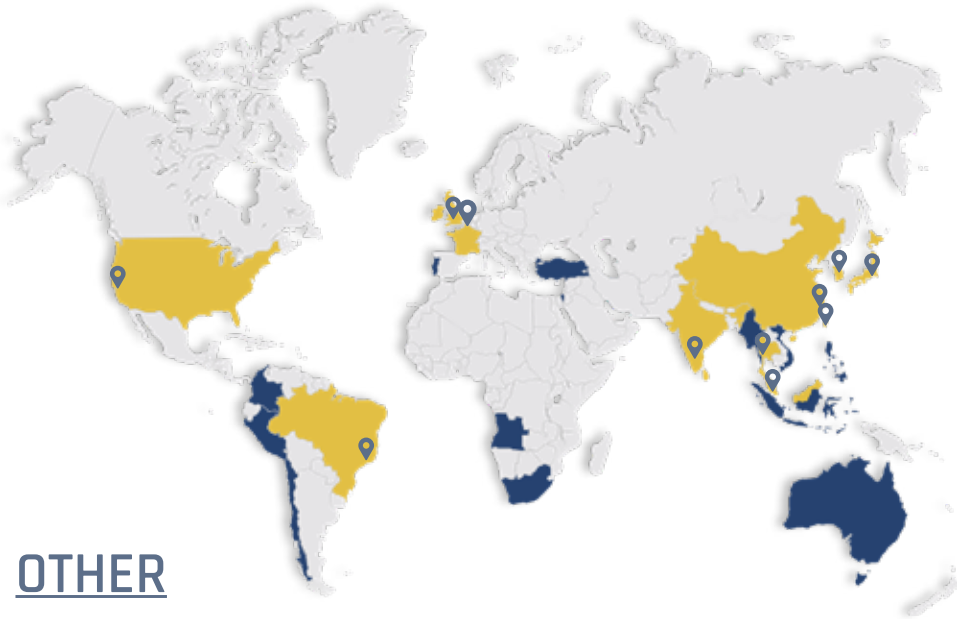
Since 2015, we have integrated the Japanese company **TCC (Tokyo Century Corporation)** as a valuable shareholder. With 50 years of experience, TCC ranks among the **world’s largest institutional investors** by managing billions of dollars of assets, positioning solar energy as a key target for its bankability and sustainability.

WORLDWIDE PRESENCE



Founded in France, Ciel & Terre® has been expanding since its creation and continuously entering new markets. We provide our floating solar solutions all over the world through our subsidiaries and partners.

15
AGENTS &
DISTRIBUTORS



EMEA

- Portugal
- Israel
- South Africa
- Angola
- Turkey

ASIA

- Indonesia
- Philippines
- Vietnam
- Myanmar

OTHER

- Australia
- Chile
- Colombia
- Peru

- Local Offices
- Agents & Distributors



Ciel
&
Terre