



Hydrelio[®]
Floating PV
System



Our References

ACHIEVED PROJECTS

185+
PROJECTS

355+
MWp



ONGOING PROJECTS

50+
PROJECTS

260+
MWp

JAPAN

Okegawa	1,180 kWp	2013	Tano Ike	2,548 kWp	2018
Kawagoe	696 kWp	2014	Osawa	2,449 kWp	
Maeno Ike	848 kWp		Bessho Sara Ike	540 kWp	
Yasugi	1,098 kWp	2015	Yamakura dam	13,744 kWp	
Kato-shi	2,870 kWp		Naka Ota Ike	2,435 kWp	
Sakasama Ike	2,313 kWp		Iwano Ike	2,596 kWp	
Sawa Ike	1,008 kWp		Watashi Ike	2,170 kWp	
Fuku Ike	1,076 kWp		Yokota Cho Shiba/Kami	1,591 kWp	
Hirai Ike	1,125 kWp		Yokota Cho Shimo	853 kWp	
Hanamidai	1,153 kWp		Otori Babe Iike	2,495 kWp	
Funatsu Osawa	1,485 kWp		Uwa Ike	637 kWp	
Umenoki	7,550 kWp		Ishitani Ike	660 kWp	
Kawarayama Ike	1,428 kWp	2016	Higashi Ota Ike	2,435 kWp	
Toriga Ike	630 kWp		Ichinomiya Ike	2,242 kWp	
Sakurashita Ike	809 kWp		Togawa Ike	2,358 kWp	
Juman Ike	490 kWp		Abe Ike	9,087 kWp	
Sohara Ike	2,398 kWp		Shimodori Ike	1,210 kWp	
Naga Ike Nishi	1,078 kWp		Narasu Ike	2,802 kWp	
Kasaoka	973 kWp		Higai Shin Ike	497 kWp	
Kobe Oike	1,212 kWp		Musashicho Furu Ike	807 kWp	
Gono Ike	1,203 kWp		Musashicho Shin Ike	503 kWp	
Yakino Ike	1,714 kWp	2017	Oda Ike	2,903 kWp	2019
Hira Ike	1,260 kWp		Sasakuacho UE	594 kWp	
Tsuga Ike	2,449 kWp		Sakasama Shita	665 kWp	
Hirono Shin Ike	1,751 kWp		Sawahara	2,449 kWp	
Isawa Ike	631 kWp		Nakano Ike	1,204 kWp	
Naga Ike Higashi	2,156 kWp		Katakami Oike	2,602 kWp	
Sayama Ootori Ike	2,502 kWp		Hyoshiga Ike	2,703 kWp	
Sayama Nigori Ike	280 kWp		Sakaya Tame Ike	633 kWp	
Sakurakami Ike	1,992 kWp		Yokawacho Kami Ike	621 kWp	
Hikona	660 kWp		Kitsune Ike	2,861 kWp	
Kyuhin	1,188 kWp	2018	Hikuni Ike	1,308 kWp	2019
Kire Ike	691 kWp		Jodo Ike	2507 kWp	
Gojiga Ike	572 kWp		Kaneibara Ike	864 kWp	
Noma Ike	2,435 kWp		Hirono Ichigo Ike	1,634 kWp	
Tachiai Oku Ike	835 kWp		Innan Kita Ike	1,830 kWp	
Besso Ike	1,426 kWp				
Yukimine Kami Ike	1,568 kWp				
Shimoyama Ike	1,966 kWp				
Ootsuda Ike	973 kWp				
Daikai Ike	300 kWp				
Hirono Nigo Ike	1,261 kWp	2019			
Sara Ike	1,176 kWp				
Hachigo Ike	2,402 kWp				
Komaga	2,297 kWp				

EMEA

Piolen (FR)	15 kWp	2011
Sheeplands (EN)	200 kWp	2014
Nofar (IL)	22 kWp	2015
Bör (SE)	13 kWp	
Ben Acre (EN)	3 x 100 kWp	
Polybell (EN)	471 kWp	
Reeders (EN)	50 kWp	2016
Godley (EN)	2,991 kWp	
Queen Elizabeth II (EN)	6,338 kWp	
Alto Rabagao (PT)	218 kWp	
Maxima Bridge (NL)	57 kWp	2017
Pontecorvo (IT)	343 kWp	
Cegonha (PT)	11 kWp	
Kairouan pilot (TN)	5 kWp	
Hesbaye Frost (BE)	998 kWp	2018
Engie Zaandam (NL)	26 kWp	
Engie Burgum (NL)	39 kWp	
Oosterhof Holfman (NL)	27 kWp	
Azalealaan (NL)	1,845 kWp	2019
Ashdot (IL)	269 kWp	
Slufter (NL)	51 kWp	
Marlenique Farm (ZA)	59 kWp	
Maiwald (DE)	749 kWp	2019
O'Mega 1 (FR)	17,015 kWp	
Cuba Este (PT)	998 kWp	
Kfar Hamaccabi (IL)	522 kWp	

AMERICAS

UCF Orlando (FL, USA)	5 kWp	2016
Kunde Winery (CA, USA)	10 kWp	2017
Orlando Utilities (FL, USA)	32 kWp	
Miraflores (PA)	24 kWp	
Goiás Farm - GO (BR)	305 kWp	2018
Peñol Guatape (CO)	99 kWp	
Kelseyville (CA, USA)	252 kWp	
SC Pond (CA, USA)	607 kWp	
Walden Pond (CO, USA)	74 kWp	2019
Las Tortolas (CL)	84 kWp	
Sobradinho - BA (BR)	1,005 kWp	
OR Tech (OR, USA)	5 kWp	
Sayreville WTP (NJ, USA)	4,403 kWp	2019
Santa Lucia (CA, USA)	53 kWp	

ASIA & OCEANIA

Yothathikan pilot (TH)	5 kWp	2014
O-Chang #1 (KR)	495 kWp	2015
Sungai Labu (MY)	108 kWp	2016
Kas Green Energy (ID)	5 kWp	
Tengeh (SG)	3 x 100 kWp	
Ulu Sepri (MY)	270 kWp	
Pirongji (KR)	706 kWp	2017
Shek Pik (HK)	99 kWp	
Taoyuan (TW)	481 kWp	
Goyeon #1 (KR)	934 kWp	
Chuckdongjae (KR)	90 kWp	2018
Heze City (CN)	600 kWp	
Pei County (CN)	9,982 kWp	
Plover Cove (HK)	100 kWp	
Tian Chang (CN)	1,000 kWp	2019
Lismore (AU)	100 kWp	
Anhui GCL (CN)	32,686 kWp	
Caogangwei (TW)	500 kWp	
GCL Jining (CN)	6,776 kWp	2018
Sugu #2 (TW)	1,133 kWp	
Changhua Farm (TW)	1,997 kWp	
Manun (KR)	2,007 kWp	
Gongam #2 (KR)	934 kWp	2019
Myeongun (KR)	2,007 kWp	
Myeongwan (KR)	955 kWp	
Gasam (KR)	2,007 kWp	
Anhui CECEP (CN)	70,005 kWp	2019
Agongdian (TW)	9,994 kWp	
Sugu #1 (TW)	4,023 kWp	
Beishipi (TW)	1,998 kWp	
CMIC (KH)	2,835 kWp	2019
SCCC Open Pit (TH)	498 kWp	
O-Chang #2 (KR)	2,506 kWp	
Cial Golf Course (IN)	428 kWp	
Wisewood (TH)	1,261 kWp	2019
Yonggyae (KR)	2,007 kWp	
Bachyun (KR)	954 kWp	
Shanjiding (TW)	842 kWp	
Kewpie (TH)	702 kWp	

HYDRELIO® FLOATING PV SYSTEM IN JAPAN

150
MWp



Achieved Projects

30+
MWp



On-going Projects

110+
Projects



FLAGSHIP PROJECT



Okegawa - 1,180kWp

- First MW-scale floating PV plant installed worldwide
- Operated by: West Holding
- Main benefit: generate a large amount of electricity while preserving valuable land



1,286 MWh/year

Expected annual
production



390 homes

Electrical consumption
equivalent



535 tons

of CO2 emissions
saved



SAITAMA, JAPAN

OKEGAWA 1,180 kWp

4,536 modules
(JA SOLAR - 260 W)

★ **First MW-scale floating PV plant installed in Japan**

Connected in July 2013



Rain water retention pond

- Water surface: 3.07 ha
- Island surface: 1.16 ha
- Coverage ratio: 38%
- Maximum depth: 6.0 m
- Level variation: 6.0 m



Bottom anchoring system



Hydrelia® Classic
60-cell PV modules

SCOPE OF RESPONSIBILITY



Project
Development



Project Engineering:
- Floating array design
- Anchoring system design



Hydrelia® supply
(made in France)



Construction & Procurement



Financing



O&M



HYOGO, JAPAN

KATO SHI
2,870 kWp

11,256 modules
(KYOCERA - 255 W)

Connected in March 2015



2 Irrigation reservoirs

- Water surface: 5.28 ha
- Island surface: 3.13 ha
- Coverage ratio: 59%
- Maximum depth: 5.7 m
- Level variation: 5.7 m



Bottom anchoring system



Hydrelio® Classic
60-cell PV modules



SCOPE OF RESPONSIBILITY



Project
Development



Project Engineering:
- Floating array design
- Anchoring system
design



Hydrelio® supply
(made in France)



Construction & Procurement



Financing



O&M

HYOGO, JAPAN

FUKU IKE 1,076 kWp

4,140 modules
(MITSUBISHI - 260 W)

Built on a dried pond

Connected in June 2015



Irrigation pond

- Water surface: 1.55 ha
- Island surface: 1.11 ha
- Coverage ratio: 72%
- Maximum depth: 2.0 m
- Level variation: 2.0 m



Bottom anchoring system



Hydrelia® Classic
60-cell PV modules

SCOPE OF RESPONSIBILITY



Project
Development



Project Engineering:
- Floating array design
- Anchoring system design



Hydrelia® supply
(made in Japan)



Construction & Procurement



Financing



O&M



SAITAMA, JAPAN

UMENOKI 7,550 kWp

27,456 modules
(YINGLI - 275 W)

Connected in October 2015



Irrigation reservoir

- Water surface: 12.93 ha
- Island surface: 7.43 ha
- Coverage ratio: 57%
- Maximum depth: 6.9 m
- Level variation: 6.9 m



Bottom anchoring system



Hydrelia® Classic
60-cell PV modules



SCOPE OF RESPONSIBILITY



Project
Development



Project Engineering:
- Floating array design
- Anchoring system
design



Hydrelia® supply
(made in Japan)



Construction & Procurement



Financing



O&M

HYOGO, JAPAN

NAGA IKE NISHI 1,078 kWp

4,312 modules
(SHARP - 250 W)

NAGA IKE HIGASHI 2,156 kWp

8,624 modules
(SHARP - 250 W)

Connected in March | November 2016



Irrigation reservoir

- Water surface: 6.28 ha | 24.73 ha
- Island surface: 1.19 ha | 2.48 ha
- Coverage ratio: 19% | 10%
- Maximum depth: 4.8 m | 4.9 m
- Level variation: 4.8 m | 4.9 m



Bottom anchoring system



Hydrelia® Classic
60-cell PV modules

SCOPE OF RESPONSIBILITY



Project
Development



Project Engineering:
- Floating array design
- Anchoring system
design



Hydrelia® supply
(made in Japan)



Construction & Procurement



Financing



O&M

TOKUSHIMA, JAPAN

ISAWA IKE

631 kWp

2,340 modules
(KYOCERA - 270 W)

★ First time Ciel & Terre® is the project developer + IPP for a floating PV plant

Connected in October 2016



Irrigation reservoir

- Water surface: 0.68 ha
- Island surface: 1.19 ha
- Coverage ratio: 57%
- Maximum depth: 6.0 m
- Level variation: 6.0 m



Bottom anchoring system



Hydrelia® Classic
60-cell PV modules



SCOPE OF RESPONSIBILITY



Project
Development



Project Engineering:
- Floating array design
- Anchoring system design



Hydrelia® supply
(made in Japan)



Construction & Procurement:
- Construction supervision



Financing



O&M

HYOGO, JAPAN

HIRONO NIGO IKE

1,261 kWp

4,760 modules
(LIGHTWAY SOLAR - 265 W)

Connected in September 2017



Irrigation reservoir

- Water surface: 1.97 ha
- Island surface: 1.34 ha
- Coverage ratio: 68%
- Maximum depth: 4.5 m
- Level variation: 4.5 m



Bottom anchoring system



Hydrelia® Classic
60-cell PV modules



SCOPE OF RESPONSIBILITY



Project
Development



Project Engineering:
- Floating array design
- Anchoring system
design



Hydrelia® supply
(made in Japan)



Construction & Procurement



Financing



O&M

MIE, JAPAN

TANO IKE 2,548 kWp

8,942 modules
(JINKO - 285 W)

Connected in January 2018



Irrigation reservoir

- Water surface: 5.70 ha
- Island surface: 2.50 ha
- Coverage ratio: 44%
- Maximum depth: - m
- Level variation: - m



Bottom anchoring system



Hydrelia® Classic
60-cell PV modules



SCOPE OF RESPONSIBILITY



**Project
Development**



Project Engineering:
- Floating array design
- Anchoring system design



Hydrelia® supply
(made in Japan)



Construction & Procurement:
- Construction supervision



Financing



O&M

OKAYAMA, JAPAN

IWANO IKE

2,596 kWp

8,800 modules
(TRINA - 295 W)

Connected in April 2018



Irrigation reservoir

- Water surface: 4.87 ha
- Island surface: 2.36 ha
- Coverage ratio: 48%
- Maximum depth: - m
- Level variation: - m



Bottom anchoring system



Hydrelia® Classic
60-cell **double-glass**
PV modules



SCOPE OF RESPONSIBILITY



Project
Development



Project Engineering:
- Floating array design
- Anchoring system
design



Hydrelia® supply
(made in Japan)



Construction & Procurement



Financing



O&M

KAGAWA, JAPAN

ICHINOMIYA IKE

2,242 kWp

6,498 modules
(JINKO - 345 W)

Connected in June 2018



Irrigation reservoir

- Water surface: 6.93 ha
- Island surface: 2.18 ha
- Coverage ratio: 31%
- Maximum depth: - m
- Level variation: - m



Bottom anchoring system



Hydrelia® Classic
72-cell PV modules



SCOPE OF RESPONSIBILITY



Project Development



Project Engineering:
- Floating array design
- Anchoring system design



Hydrelia® supply
(made in Japan)



Construction & Procurement:
- Construction supervision



Financing



O&M

HYOGO, JAPAN

SASAKUACHO UE 594 kWp

1,674 modules
(AKCOME - 355 W)

SASAKUACHO SHITA 665 kWp

1,872 modules
(AKCOME - 355 W)

Connected in December 2018



Irrigation reservoir

- Water surface: 0.92 ha
- Island surface: 0.58 ha | 0.65 ha
- Coverage ratio: 63% | 61%
- Maximum depth: 4.0 m | 2.0 m
- Level variation: 4.0 m | 2.0 m



Bottom anchoring system



Hydrelia® Classic
72-cell PV modules



SCOPE OF RESPONSIBILITY



Project Development



Project Engineering:
- Floating array design
- Anchoring system design



Hydrelia® supply
(made in Japan)



Construction & Procurement:
- Construction supervision



Financing



O&M

HYOGO, JAPAN

HYOSHIGA IKE 2,703 kWp

10,010 modules
(ASTRONERGY - 270 W)

Connected in March 2019



Irrigation reservoir

- Water surface: 6.07 ha
- Island surface: 2.75 ha
- Coverage ratio: 45%
- Maximum depth: 3.5 m
- Level variation: 3.5 m



Bottom anchoring system



Hydrelia® Classic
60-cell PV modules

SCOPE OF RESPONSIBILITY



Project
Development



Project Engineering:
- Floating array design
- Anchoring system
design



Hydrelia® supply
(made in Japan)



Construction & Procurement



Financing



O&M

HYDRELIO® FLOATING PV SYSTEM IN EUROPE, MIDDLE-EAST AND AFRICA

30+
MWp



Achieved Projects

35+
MWp



On-going Projects

40
Projects



FLAGSHIP PROJECT



Queen Elizabeth II - 6,338 kWp

- Largest floating PV plant installed in Europe
- Operated by: Lightsource Renewable Energy
- Main benefit: electricity used in self-consumption for water treatment activity



5,750 MWh/year

Expected annual
production



1,800 homes

Electrical consumption
equivalent



2,950 tons

of CO2 emissions
saved



UNITED KINGDOM

SHEEPLANDS 200 kWp

800 modules
(TRINA - 250 W)

★ **First floating PV plant installed in the UK**

Connected in September 2014



Irrigation reservoir

- Water surface: 1.49 ha
- Island surface: 0.21 ha
- Coverage ratio: 14%
- Maximum depth: 6.1 m
- Level variation: 6.1 m



Bank anchoring system



Hydrelia® Classic
60-cell PV modules



SCOPE OF RESPONSIBILITY



Project Development



Project Engineering:
- Floating array design
- Anchoring system design



Hydrelia® supply
(made in France)



Construction & Procurement:
- Anchoring system supply



Financing



O&M

UNITED KINGDOM

POLYBELL 471 kWp

1.848 modules
(REC - 255 W)

★ First time Ciel & Terre® is EPC for a floating PV plant

Connected in December 2015



Irrigation reservoir

- Water surface: 4.73 ha
- Island surface: 0.50 ha
- Coverage ratio: 11%
- Maximum depth: 3.9 m
- Level variation: 3.9 m



Bank anchoring system



Hydrelia® Classic
60-cell PV modules



SCOPE OF RESPONSIBILITY



Project Development



Project Engineering:
- Floating array design
- Anchoring system design
- Electrical design



Hydrelia® supply
(made in France)



Construction & Procurement:
- Construction supervision



Financing



O&M

UNITED KINGDOM

GODLEY 2,991 kWp

10,494 modules
(JA SOLAR - 285 W)

Connected in January 2016



Water treatment reservoir

- Water surface: 5.83 ha
- Island surface: 2.78 ha
- Coverage ratio: 48%
- Maximum depth: 9.9 m
- Level variation: 9.9 m



Bank anchoring system



Hydrelia® Classic
60-cell PV modules

SCOPE OF RESPONSIBILITY



**Project
Development**



Project Engineering:
- Floating array design
- Anchoring system design



Hydrelia® supply
(made in France)



Construction & Procurement:
- Anchoring system supply
- Anchoring installation



Financing



O&M

UNITED KINGDOM

QUEEN ELIZABETH II

6,338 kWp

23,046 modules
(SUNTECH - 275 W)

Connected in March 2016



Water treatment reservoir

- Water surface: 128 ha
- Island surface: 5.95 ha
- Coverage ratio: 5%
- Maximum depth: 18.4 m
- Level variation: 18.4 m



Bottom anchoring system



Hydrelia® Classic
60-cell PV modules

SCOPE OF RESPONSIBILITY



Project
Development



Project Engineering:
- Floating array design
- Anchoring system
design



Hydrelia® supply
(made in France)



Construction & Procurement



Financing



O&M

PORTUGAL

ALTO RABAGÃO 218 kWp

840 modules
(REC - 260 W)

★ The world first power plant mixing
hydroelectricity and solar energy

Connected in November 2016



Hydroelectric dam

- Water surface: 2,212 ha
- Island surface: 0.26 ha
- Coverage ratio: 0.01%
- Maximum depth: 90.0 m
- Level variation: 30.0 m



Bottom anchoring system
Anchored at 60 m with 30
m of water level variation



Hydrelío® Classic
60-cell PV modules

SCOPE OF RESPONSIBILITY



Project
Development



Project Engineering:
- Floating array design
- Anchoring system design
- Electrical design



Hydrelío® supply
(made in France)



Construction & Procurement:
- Construction supervision



Financing



O&M

ITALY

PONTECORVO

343 kWp

1,320 modules
(PEIMAR - 260 W)

Connected in February 2017



Irrigation reservoir

- Water surface: 0.88 ha
- Island surface: 0.38 ha
- Coverage ratio: 43%
- Maximum depth: 5.5 m
- Level variation: 5.5 m



Bank anchoring system



Hydrelia® Classic
60-cell PV modules



SCOPE OF RESPONSIBILITY



Project
Development



Project Engineering:
- Floating array design
- Anchoring system
design



Hydrelia® supply
(made in France)



Construction & Procurement



Financing



O&M

BELGIUM

HESBAYE FROST 998 kWp

3,120 modules
(BYD - 320 W)

Connected in October 2017



Industrial site

- Water surface: 2.96 ha
- Island surface: 1.03 ha
- Coverage ratio: 35%
- Maximum depth: 4.5 m
- Level variation: 3.0 m



Bank anchoring system



Hydrelio® Classic
72-cell PV modules

SCOPE OF RESPONSIBILITY



Project
Development



Project Engineering:
- Floating array design
- Anchoring system
design



Hydrelio® supply
(made in France)



Construction & Procurement



Financing



O&M

NETHERLANDS

AZALEALAAN 1,845 kWp

6,150 modules
(HANWHA Q CELLS - 300 W)

Connected in June 2018



Agricultural pond

- Water surface: 3.34 ha
- Island surface: 1.60 ha
- Coverage ratio: 47%
- Maximum depth: 15.0 m
- Level variation: 2.0 m



Bank anchoring system



Hydrelia® Classic
60-cell PV modules

SCOPE OF RESPONSIBILITY



**Project
Development**



Project Engineering:
- Floating array design
- Anchoring system design



Hydrelia® supply
(made in France)



Construction & Procurement:
- Anchoring system supply
- Anchoring installation



Financing



O&M



KFAR HAMACCABI

522 kWp

1,392 modules
(JINKO - 375 W)

Connected in December 2019



Irrigation pond

- Water surface: 7 ha
- Island surface: 0.51 ha
- Coverage ratio: 7.2%
- Maximum depth: 5 m
- Level variation: 5 m



Bank anchoring system



Hydrelia® Air
72-cell PV modules



SCOPE OF RESPONSIBILITY



Project
Development



Project Engineering:
- Floating array design
- Anchoring system
design



Hydrelia® supply
(made in France)



Construction & Procurement



Financing



O&M

HYDRELIO® FLOATING PV SYSTEM IN ASIA & OCEANIA

165
MWp



Achieved Projects

190
MWp



On-going Projects

65
Projects



FLAGSHIP PROJECT



Anhui CECEP - 70,005 kWp

- The world largest plant developed with Hydrelio® technology
- Operated by: CECEP
- Main benefit: rehabilitate a former flooded coal mine



82 GWh/year
Expected annual
production



20,910 homes
Electrical consumption
equivalent



52,429 tons
of CO2 emissions
saved



SOUTH-KOREA

O CHANG 495 kWp

1,978 modules
(HANWHA - 250 W)

★ First floating PV plant installed on a dam

Connected in February 2015



Irrigation dam

- Water surface: 49.12 ha
- Island surface: 0.56 ha
- Coverage ratio: 1%
- Maximum depth: 13.8 m
- Level variation: 11.3 m



Bottom anchoring system



Hydrelia® Classic
60-cell PV modules

SCOPE OF RESPONSIBILITY



Project
Development



Project Engineering:
- Floating array design
- Anchoring system design



Hydrelia® supply
(made in France)



Construction & Procurement



Financing



O&M

CHINA

PEI COUNTY 9,982 kWp

42,240 modules
(GCL - 260 W)

Connected in July 2017



Irrigation pond

- Water surface: 35.59 ha
- Island surface: 10.35 ha
- Coverage ratio: 29%
- Maximum depth: 8.0 m
- Level variation: 8.0 m



Bottom anchoring system



Hydrelío® Classic
60-cell PV modules



SCOPE OF RESPONSIBILITY



Project
Development



Project Engineering:
- Floating array design
- Anchoring system design



Hydrelío® supply
(made in China)



Construction & Procurement:
- Anchoring system supply
- Anchoring installation



Financing



O&M

THAILAND

WISEWOOD 1,261 kWp

3,275 modules
(TRINA - 385 W)

Connected in October 2019



Water treatment pond

- Water surface: 2.62 ha
- Island surface: 1.11 ha
- Coverage ratio: 43%
- Maximum depth: 10.0 m
- Level variation: 2.0 m



Bank anchoring system



Hydrelia® Air
72-cell PV modules

SCOPE OF RESPONSIBILITY



Project
Development



Project Engineering:
- Floating array design
- Anchoring system design



Hydrelia® supply
(made in China)



Construction & Procurement:
- Anchoring system supply
- Anchoring installation



Financing



O&M



MALAYSIA

ULU SEPRI 270 kWp

900 modules
(BLUESUN - 300 W)

Connected in November 2016



Water retention dam

- Water surface: 17.94 ha
- Island surface: 0.27 ha
- Coverage ratio: 1.50%
- Maximum depth: 45.6 m
- Level variation: 17.5 m



Bank anchoring system



Hydrelia® Classic
72-cell PV modules

SCOPE OF RESPONSIBILITY



Project
Development



Project Engineering:
- Floating array design
- Anchoring system design



Hydrelia® supply
(made in South Korea)



Construction & Procurement



Financing



O&M



AUSTRALIA

LISMORE 100 kWp

280 modules
(TRINA - 355 W)

Connected in January 2018



Water retention dam

- Water surface: 4.13 ha
- Island surface: 0.11 ha
- Coverage ratio: 3%
- Maximum depth: 8.6 m
- Level variation: 8.6 m



Hybrid anchoring system: on shores + bottom



Hydrelia® Classic
72-cell PV modules



SCOPE OF RESPONSIBILITY



Project
Development



Project Engineering:
- Floating array design
- Anchoring system design



Hydrelia® supply
(made in South
Korea + Taiwan)



Construction & Procurement



Financing



O&M

CHINA

ANHUI GCL 32,686 kWp

116,736 modules
(GCL - 280 W)

Connected in January 2018



Mine lake

- Water surface: 167 ha
- Island surface: 33.50 ha
- Coverage ratio: 20%
- Maximum depth: 12.5 m
- Level variation: 4.8 m



Bottom anchoring system



Hydrelio® Classic
60-cell PV modules



SCOPE OF RESPONSIBILITY



Project
Development



Project Engineering:
- Floating array design
- Anchoring system design



Hydrelio® supply
(made in China)



Construction & Procurement:
- Anchoring system supply
- Anchoring installation



Financing



O&M

CHINA

GCL JINING 6,776 kWp

24,640 modules
(GCL - 275 W)

Connected in April 2018



Mine lake

- Water surface: 70 ha
- Island surface: 6.89 ha
- Coverage ratio: ~10%
- Maximum depth: 14.1 m
- Level variation: 6.4 m



Bottom anchoring system



Hydrelio® Classic
60-cell PV modules

SCOPE OF RESPONSIBILITY



Project
Development



Project Engineering:
- Floating array design
- Anchoring system design



Hydrelio® supply
(made in China)



Construction & Procurement:
- Anchoring system supply
- Anchoring installation



Financing



O&M

TAIWAN

AGONGDIAN 9,994 kWp

34,013 modules
(ABLYTEK - 290/295 W)

Connected in December 2018



Water retention dam

- Water surface: - ha
- Island surface: 9.19 ha
- Coverage ratio: -%
- Maximum depth: - m
- Level variation: - m



Hybrid anchoring system: on
shores + bottom



Hydrelia® Classic
60-cell PV modules

SCOPE OF RESPONSIBILITY



Project
Development



Project Engineering:
- Floating array design
- Anchoring system
design



Hydrelia® supply
(made in Taiwan)



Construction & Procurement



Financing



O&M



TAIWAN

SUGU #2 1,133 kWp

3,840 modules
(AUO - 295 W)

Connected in April 2018



Irrigation reservoir

- Water surface: 3.23 ha
- Island surface: 0.91 ha
- Coverage ratio: 28%
- Maximum depth: 3.6 m
- Level variation: 2.4 m



Bank anchoring system



Hydrelia® Classic
60-cell PV modules



SCOPE OF RESPONSIBILITY



Project Development



Project Engineering:
- Floating array design
- Anchoring system design



Hydrelia® supply
(made in Taiwan)



Construction & Procurement:
- Construction supervision



Financing



O&M

TAIWAN

SUGU #1
4,023 kWp

13,410 modules
(RITEK - 300 W)

Completed in December 2018



Industrial reservoir

- Water surface: 8.81 ha
- Island surface: 1.35 ha
- Coverage ratio: 15%
- Maximum depth: ~14.0 m
- Level variation: ~5.0 m



Hybrid anchoring system: on
shores + bottom



Hydrelia® Classic
60-cell PV modules

SCOPE OF RESPONSIBILITY



**Project
Development**



Project Engineering:
- Floating array design
- Anchoring system
design



Hydrelia® supply
(made in Taiwan)



Construction & Procurement:
- Construction supervision



Financing



O&M



CHINA

ANHUI CECEP 70,005 kWp

194,731 modules
(LERRI SOLAR - 335/360 W)

★ The current largest floating PV plant developed with Hydrelío® technology

Connected in December 2018



Mine lake

- Water surface: - ha
- Island surface: 63.58 ha
- Coverage ratio: -%
- Maximum depth: 14.0 m
- Level variation: 3.9 m



Bottom anchoring system



Hydrelío® Classic
72-cell PV modules



SCOPE OF RESPONSIBILITY



Project Development



Project Engineering:
- Floating array design
- Anchoring system design



Hydrelío® supply
(made in China)



Construction & Procurement:
- Anchoring system supply
- Anchoring installation



Financing



O&M

CAMBODIA

CMIC POND 2,835 kWp

7,768 modules
(JINKO SOLAR - 365 W)

★ **The first in Cambodia and used for self-consumption**

Connected in March 2019



Water storage reservoir

- Water surface: 3.25 ha
- Island surface: 2.43 ha
- Coverage ratio: 74%
- Maximum depth: 5.2 m
- Level variation: 5.2 m



Bank anchoring system



Hydrelia® Equato
72-cell PV modules

SCOPE OF RESPONSIBILITY



Project Development



Project Engineering:
- Floating array design
- Anchoring system design



Hydrelia® supply
(made in Thailand)



Construction & Procurement:
- Anchoring system supply
- Anchoring installation



Financing



O&M



INDIA

CIAL GOLF COURSE

428 kWp

1,316 modules
(TRINA - 325 W)

★ The first in India

Connected in October 2019



Natural reservoir

- Water surface: 1.46 ha
- Island surface: 0.40 ha
- Coverage ratio: 28%
- Maximum depth: 5.6 m
- Level variation: 1.0 m



Bank anchoring system



Hydrelío® Equato
72-cell PV modules

SCOPE OF RESPONSIBILITY



Project
Development



Project Engineering:
- Floating array design
- Anchoring system design



Hydrelío® supply
(made in India)



Construction & Procurement:
- Anchoring system supply
- Anchoring installation
- Installation training



Financing



O&M



HYDRELIO[®] FLOATING PV SYSTEM IN NORTH AND LATIN AMERICA

9
MWp



Achieved Projects

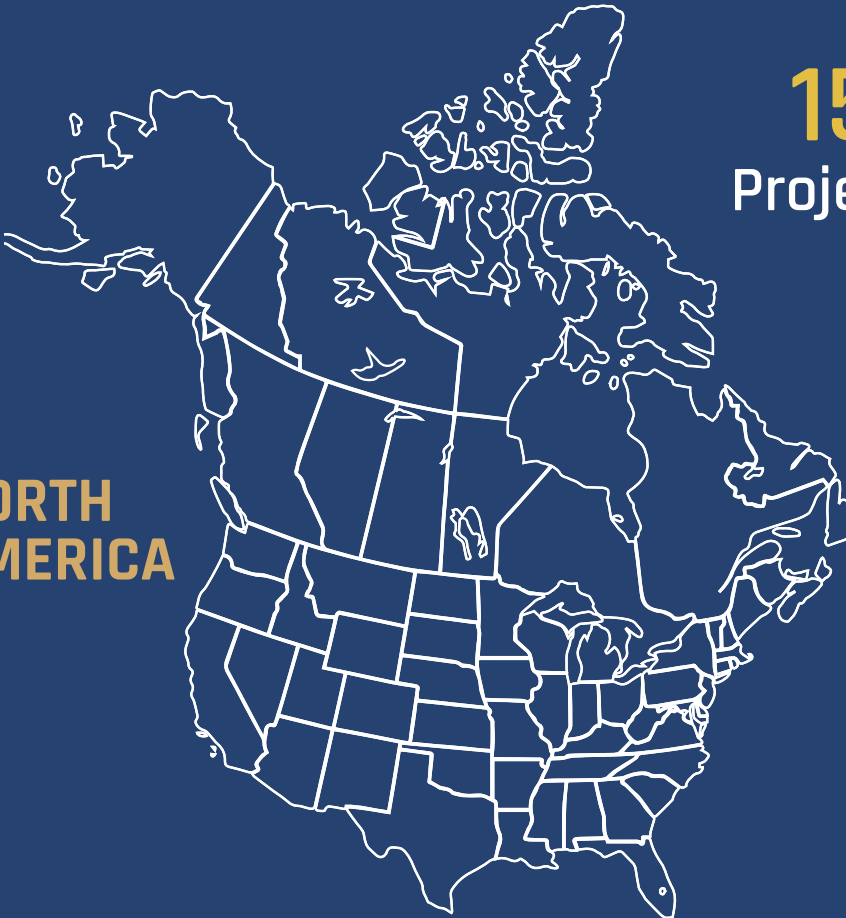
12
MWp



On-going Projects



NORTH
AMERICA



15
Projects

LATIN
AMERICA



10+
Projects

FLORIDA, USA

ORLANDO UTILITIES 32 kWp

100 modules
(RENESOLA - 315 W)

Connected in February 2017



Irrigation reservoir

- Water surface: 1.22 ha
- Island surface: 0.044 ha
- Coverage ratio: 2.90%
- Maximum depth: 3.0 m
- Level variation: 0.5 m



Bottom anchoring system



Hydrelia® Classic
72-cell PV modules



SCOPE OF RESPONSIBILITY



Project
Development



Project Engineering:
- Floating array design
- Anchoring system
design



Hydrelia® supply
(made in USA)



Construction & Procurement:
- PV modules + inverters supply
- Anchoring system supply
- Anchoring installation



Financing



O&M

COLOMBIA

PEÑOL GUATAPE 99 kWp

368 modules
(JINKO - 270 W)

Connected in April 2018



Water retention dam

- Water surface: - ha
- Island surface: 0.13 ha
- Coverage ratio: -%
- Maximum depth: 46.0 m
- Level variation: 14.0 m



Bottom anchoring system



Hydrelío® Classic
60-cell PV modules

SCOPE OF RESPONSIBILITY



Project
Development



Project Engineering:
- Floating array design
- Anchoring system
design



Hydrelío® supply
(made in Taiwan)



Construction & Procurement



Financing



O&M



CALIFORNIA, USA

KELSEYVILLE 252 kWp

720 modules
(CANADIAN SOLAR - 350 W)

Connected in September 2018



Sewage water reservoir

- Water surface: 1.33 ha
- Island surface: 0.23 ha
- Coverage ratio: 17%
- Maximum depth: 0.9 m
- Level variation: 0.9 m



Bottom anchoring system



Hydrelia® Classic
72-cell PV modules



SCOPE OF RESPONSIBILITY



Project
Development



Project Engineering:
- Floating array design
- Anchoring system design



Hydrelia® supply
(made in USA)



Construction & Procurement:
- Anchoring system supply



Financing



O&M

COLORADO, USA

WALDEN POND 74 kWp

208 modules
(JINKO SOLAR - 355 W)

Connected in October 2018



Water treatment reservoir

- Water surface: 0.13 ha
- Island surface: 0.07 ha
- Coverage ratio: 52%
- Maximum depth: 1.5 m
- Level variation: 1.5 m



Bank anchoring system



Hydrelia® Classic
72-cell PV modules



SCOPE OF RESPONSIBILITY



**Project
Development**



Project Engineering:
- Floating array design
- Anchoring system design



Hydrelia® supply
(made in USA)



Construction & Procurement:
- Anchoring system supply



Financing



O&M

CHILE

LAS TORTOLAS 85 kWp

256 modules
(JINKO SOLAR - 330 W)

Connected in March 2019



Mine lake

- Water surface: 140 ha
- Island surface: 0.11 ha
- Coverage ratio: 0.01%
- Maximum depth: 30 m
- Level variation: 20 m



Bank anchoring system



Hydrelío® Classic
72-cell PV modules



SCOPE OF RESPONSIBILITY



Project
Development



Project Engineering:
- Floating array design
- Anchoring system
design



Hydrelío® supply
(made in USA)



Construction & Procurement



Financing



O&M

BRAZIL

SOBRADINHO DAM 1,005 kWp

3,792 modules
(CANADIAN SOLAR - 265 W)

Completed in December 2018



Hydroelectric dam

- Water surface: 421,400 ha
- Island surface: 1.09 ha
- Coverage ratio: - %
- Maximum depth: 29.3 m
- Level variation: 13 m



Bottom anchoring system



Hydrelio® Classic
60-cell PV modules

SCOPE OF RESPONSIBILITY



Project
Development



Project Engineering:
- Floating array design
- Anchoring system design



Hydrelio® supply
(made in USA)



Construction & Procurement:
- Anchoring system supply
- Anchoring installation



Financing



O&M

NEW JERSEY, USA

SAYREVILLE 4,402 kWp

3,792 modules
(CSUN - 345 W)

Completed in October 2019



Water treatment reservoir

- Water surface: 19.66 ha
- Island surface: 4.05 ha
- Coverage ratio: 21 %
- Maximum depth: 4.1 m
- Level variation: 0.9 m



Bank anchoring system +
parabolic mooring line



Hydrelia® Classic
72-cell PV modules



SCOPE OF RESPONSIBILITY



Project
Development



Project Engineering:
- Floating array design
- Anchoring system
design



Hydrelia® supply
(made in USA)



Construction & Procurement:



Financing



O&M



Ciel
&
Terre