Jutracker
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Floating PV
Just Float 2&3

Jutracker China
2022.11

Content

Production Overview：

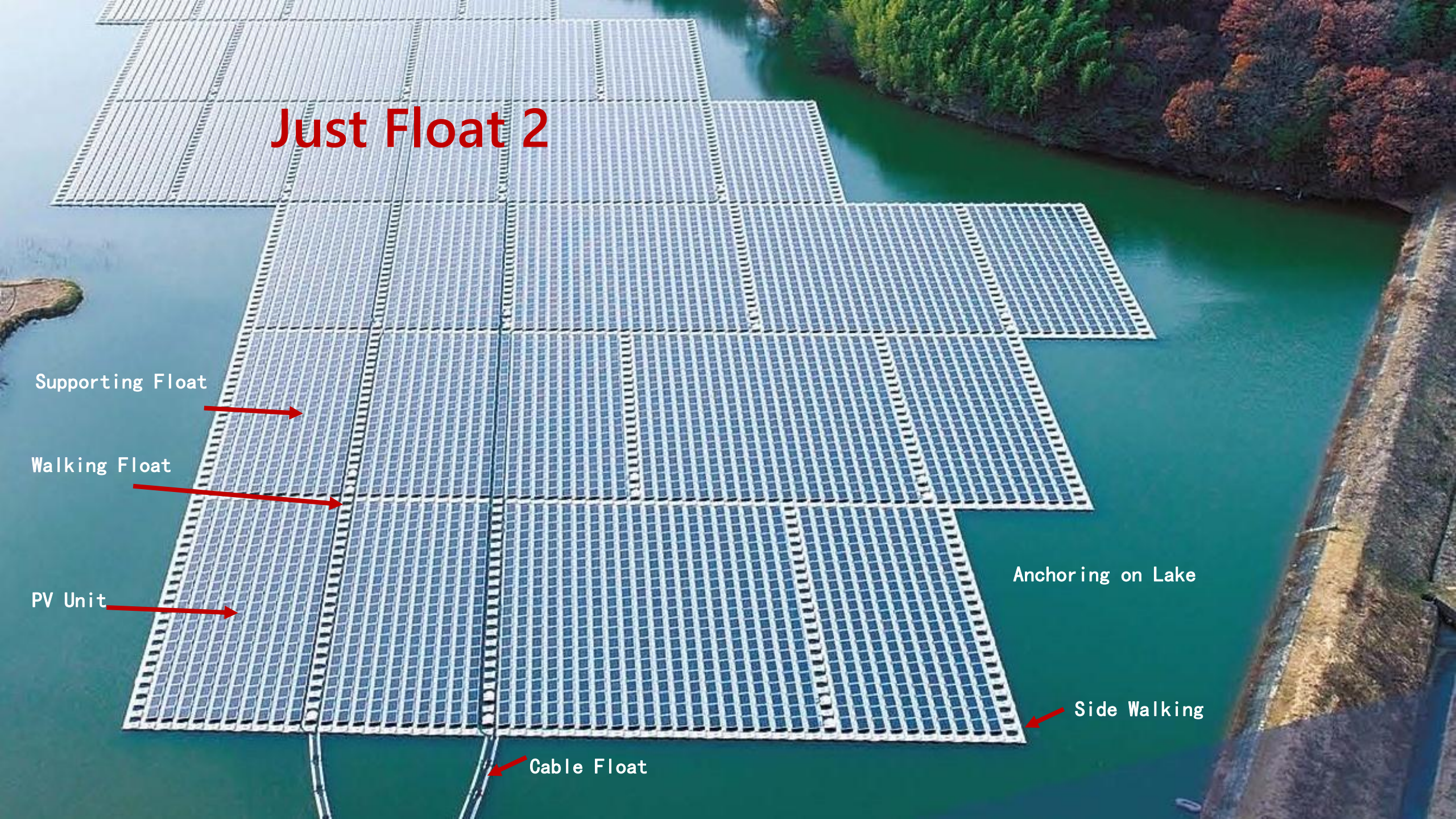
- Just Float2 : Lake, Water Pond
- Just Float3 : Inner & Half Open Sea

- Production Capacity
- Transportation and Installation Introduction

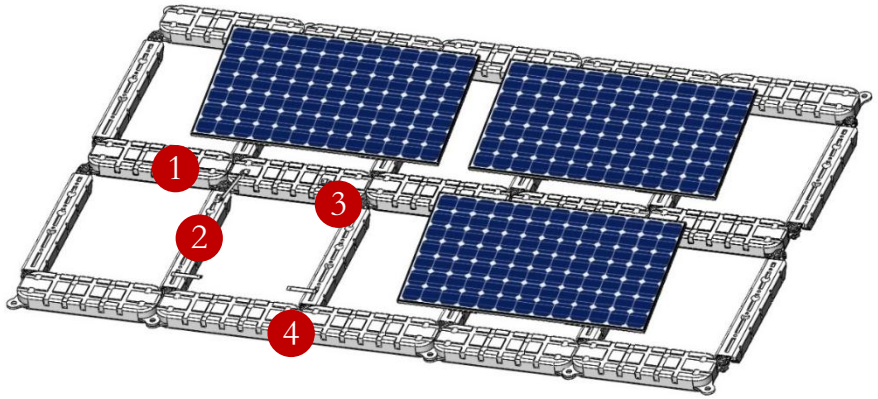
Case Study

About Us：

- Company Briefing
- Product Overview
- Global Presence
- Product Testing and Certificate


Just Float 2
Supporting Float
Walking Float
PV Unit
Anchoring on Lake
Side Walking
Cable Float

Just Float 2



1， Walking Float

2、 Supporting Float

3、 Screw & Bolt

4, Anchoring Position

RELIABLE, STRAIGHTFORWARD, ECO-FRIENDLY

LAB-TESTED AND FIELD-PROVEN

- UV-stabilized HDPE material
- Drinking water compliant; compatible with fresh and natural waters
- Resilience to extreme wind conditions: up to **210 km/h (130 mph)**
- Designed and supplied with site-specific anchoring systems: **bottom**, **bank** or **hybrid**

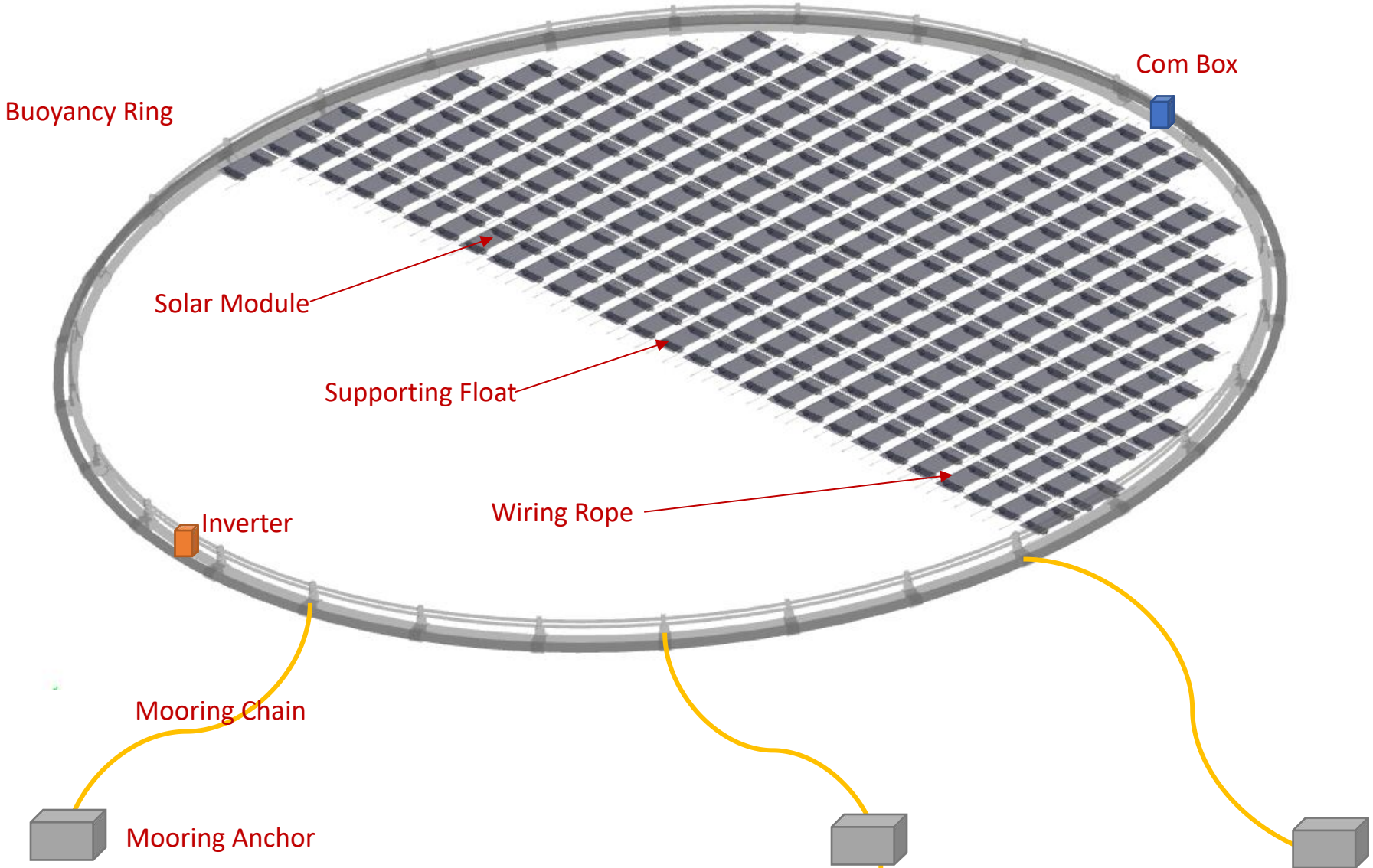
> Max. tested depth: **80 meters**

- Modulable system and compatible with most PV equipment
- Swift and simple assembly
- Safe and easy O&M

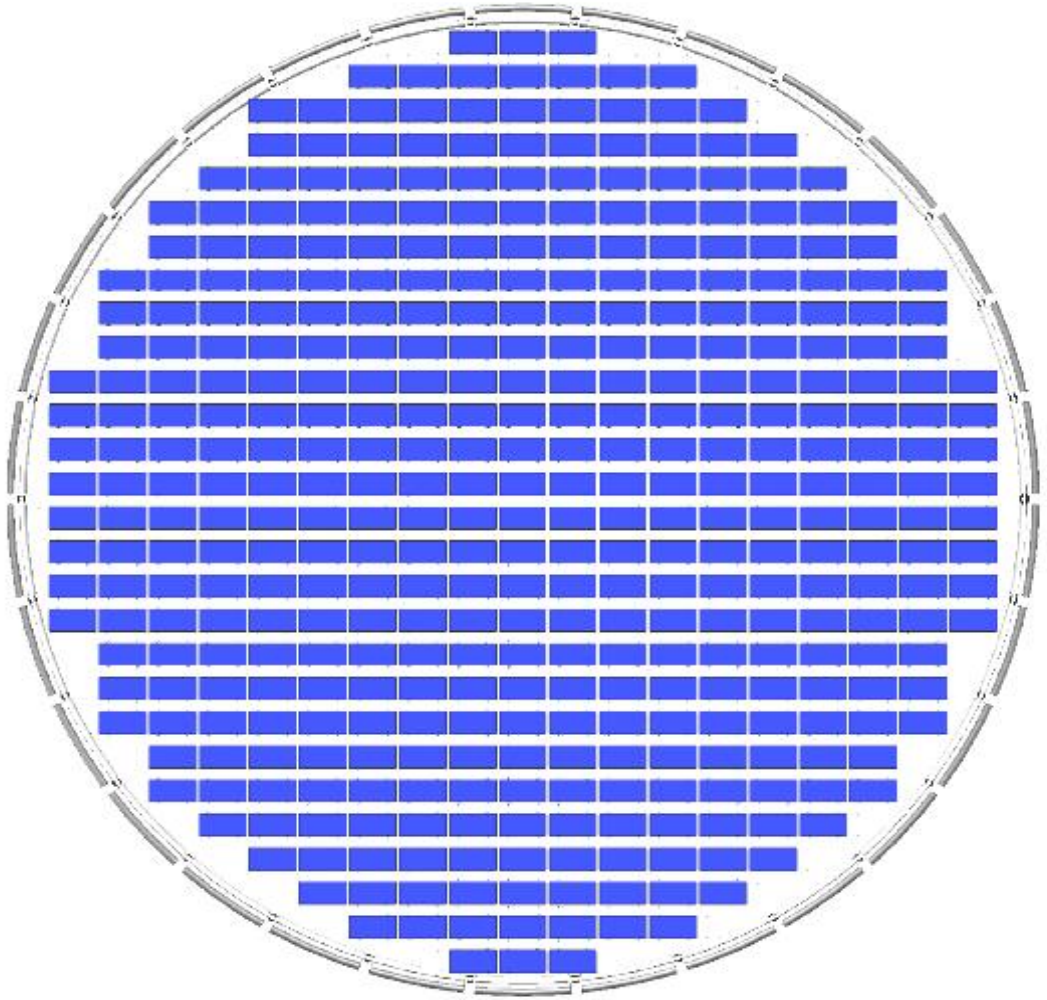
- Reduces evaporation and preserves existing ecosystems
- Easy decommissioning, recyclable materials

- Enhanced power production due to water's natural cooling effect on panels & cables

Just Float 3

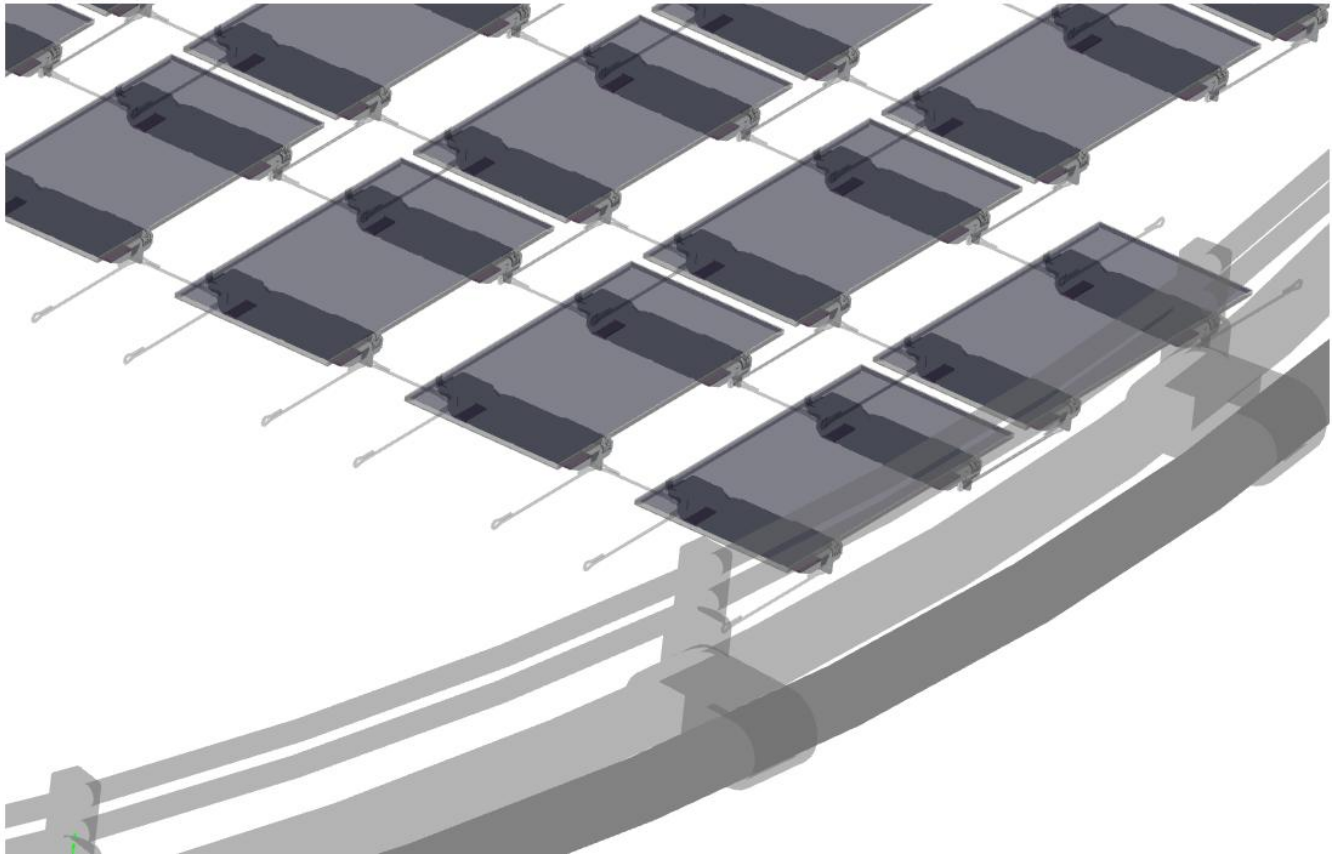

Com Box
Buoyancy Ring
Solar Module
Supporting Float
Inverter
Wiring Rope
Mooring Chain
Mooring Anchor

Just Float 3 - parameters



Product Type	Just-Float3-D30	Just-Float3-D40	Just-Float3-D50
Parameters			
Max Wind Speed m/s	28	36	46
Diameter m	30	40	50
Surface Area m2	708	1260	1960
Module Size Wp	550	550	550
Module Number	200	360	570
Product Power KWp	110	200	315
System Voltage V	1500	1500	1500
Inverter Size KWac	80	160	250

Just Float 3 - Components



System Components	
Buoyancy Ring	HDPE+UV
Supporting Float	HDPE+UV
Wiring Rope	Stainless Steel
Mooring Chain	Stainless Steel
Mooring Anchor	Stainless Steel
Solar Module	Mono-PERC
DC Cable	PV-1F 4mm2
Inverter Type	String Inverter
Com Box	Data + Video
Interface	
AC output	800Vac
Com Output	Wireless 4G

Transportation

Use flexible mode of transportation to minimize logistics costs

1 MWp = Approximately 10 to 12 containers (depending on the configuration select

Installation

Site Preparation

Fix PV Module

Floating Platform Assembly

Platform in water

Work Efficiency

1 kWp/ Labor Time

Buoyancy Ring on Beach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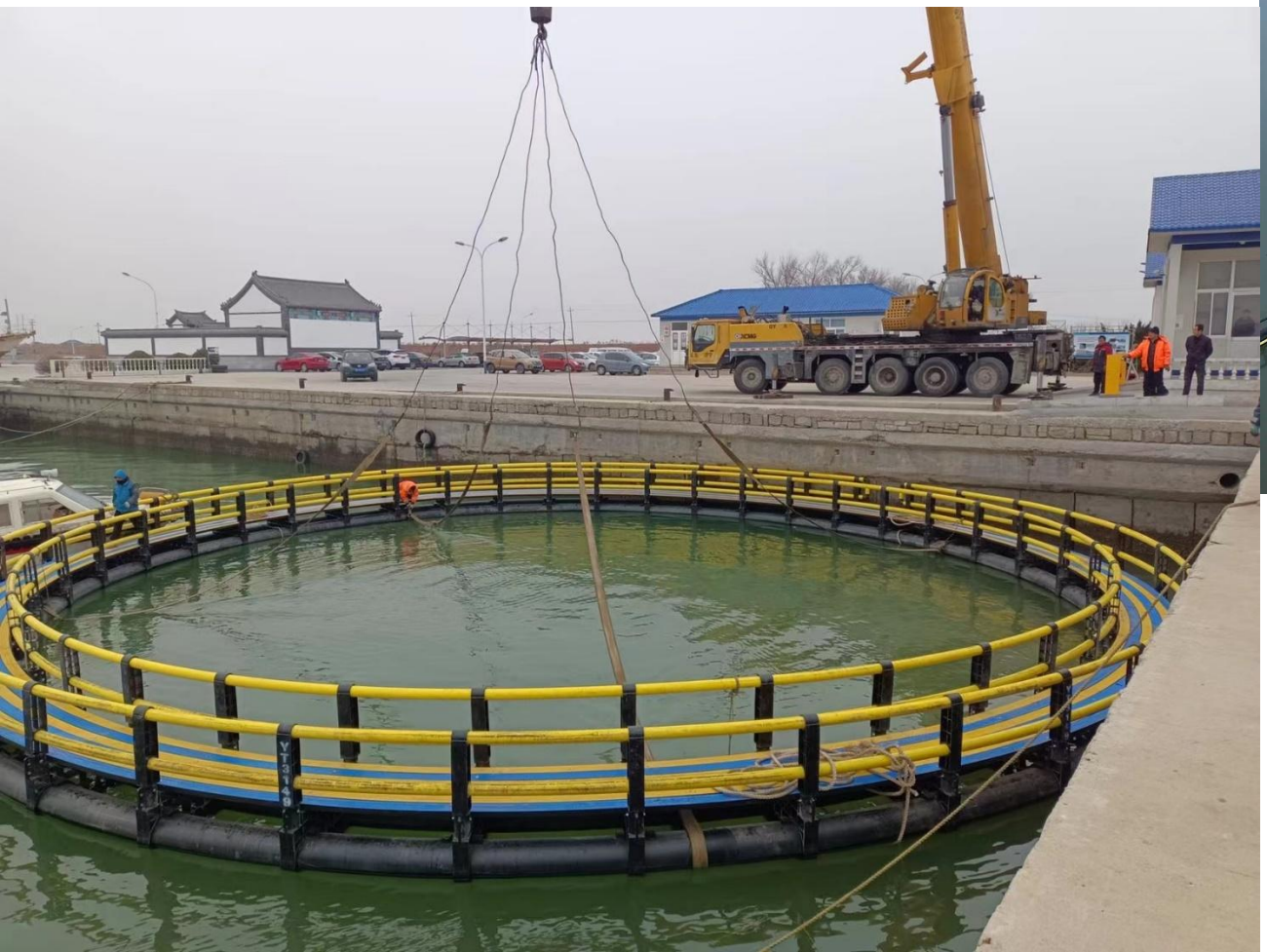
Buoyancy Ring on Port

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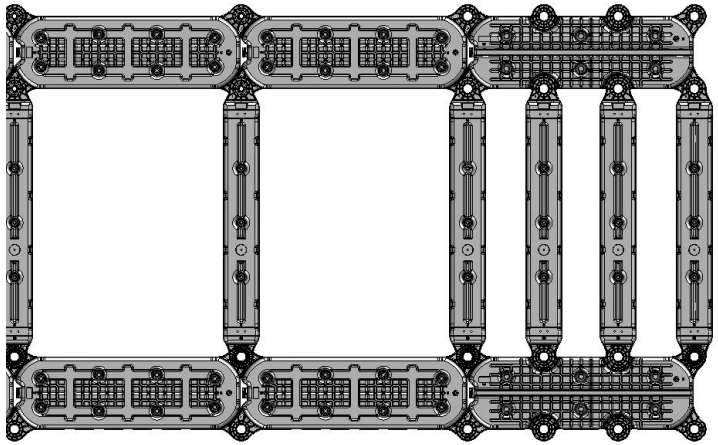
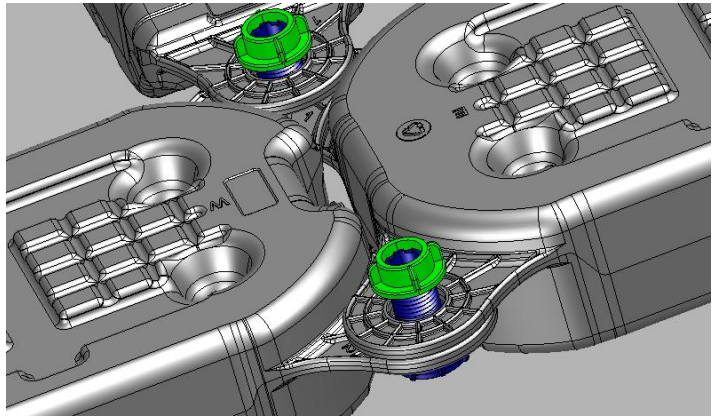
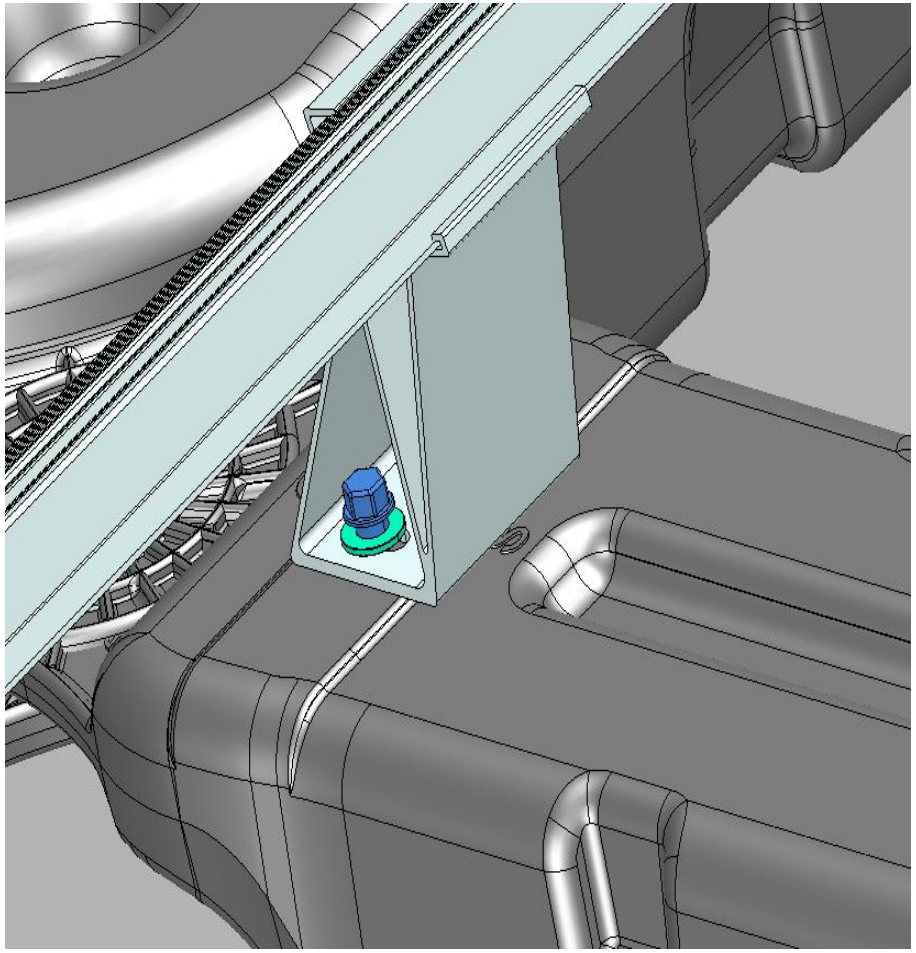
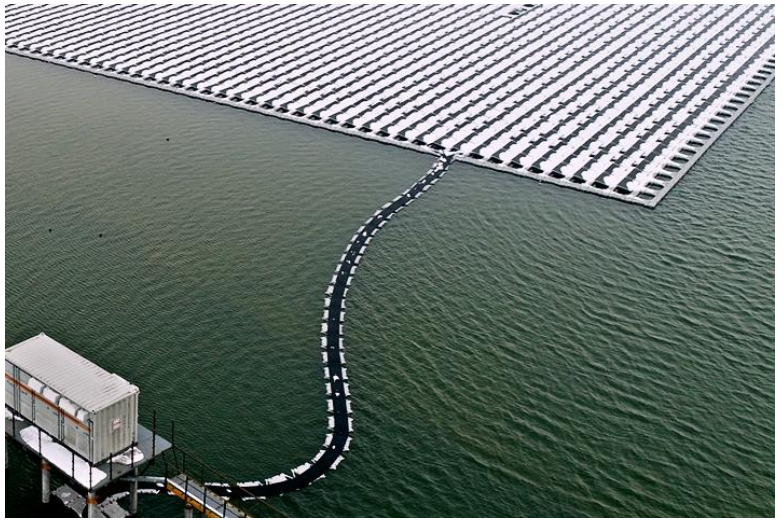
Float Connection





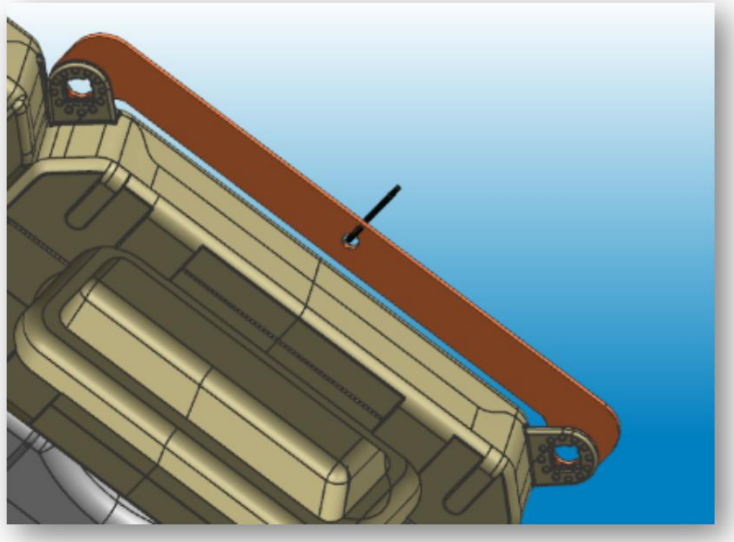


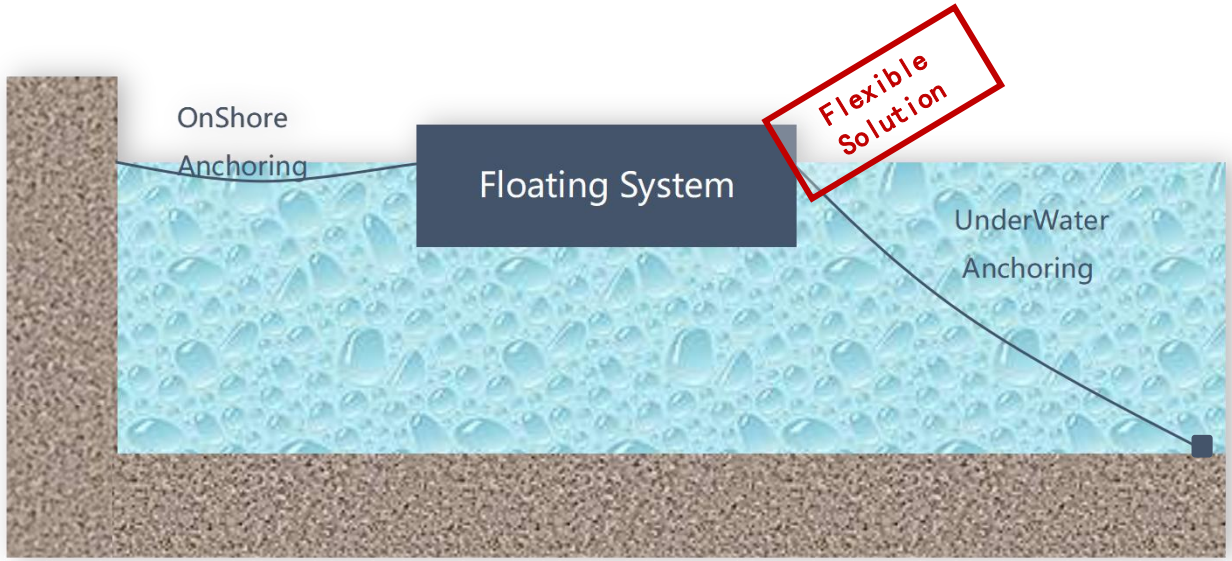
Cabling



Anchoring

- Floating power stations require anchoring systems to maintain the location of floating islands and ensure that floating power stations are resistant to environmental factors (e.g. wind, waves, currents, etc.).
- From design to installation, we oversee the entire process of anchoring the system, providing you with the best comprehensive solution for peace of mind.
- Customerised design for the site , material supply , installation work





Anchoring

Withstand Harshest Environments

Best Economic Benefits

Meet each site and local regulations

Anchoring Type

JuFloater installations based on different anchor types:

Underwater anchoring, embankment anchoring, or mixed anchoring

Spiral pile anchoring, pointed anchoring, or heavy anchoring

Success record

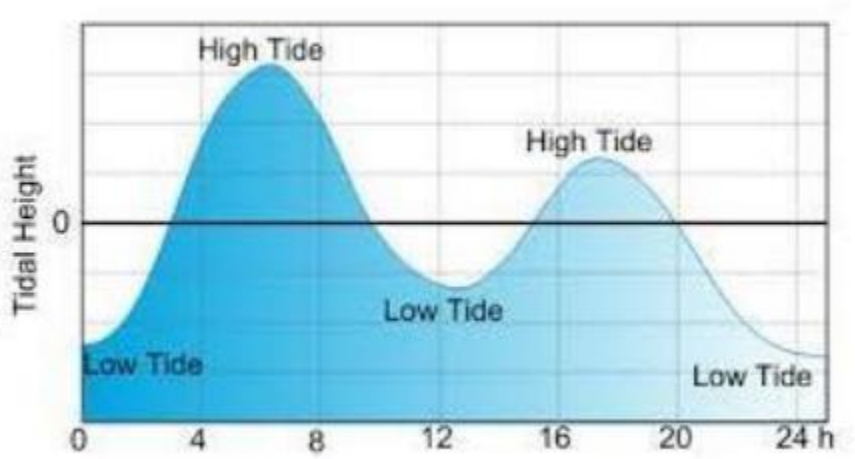
Over 2,500 anchors

Maximum depth 80 meters Maximum water level varies by 30 meters

Case Study

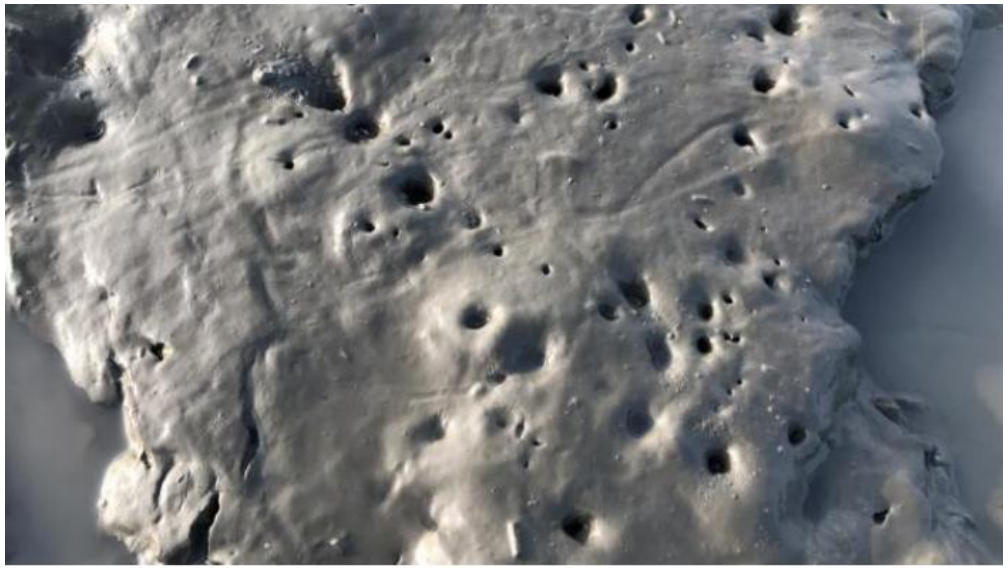
Global Installed Capacity

ChenYa,TaiWan Case Study



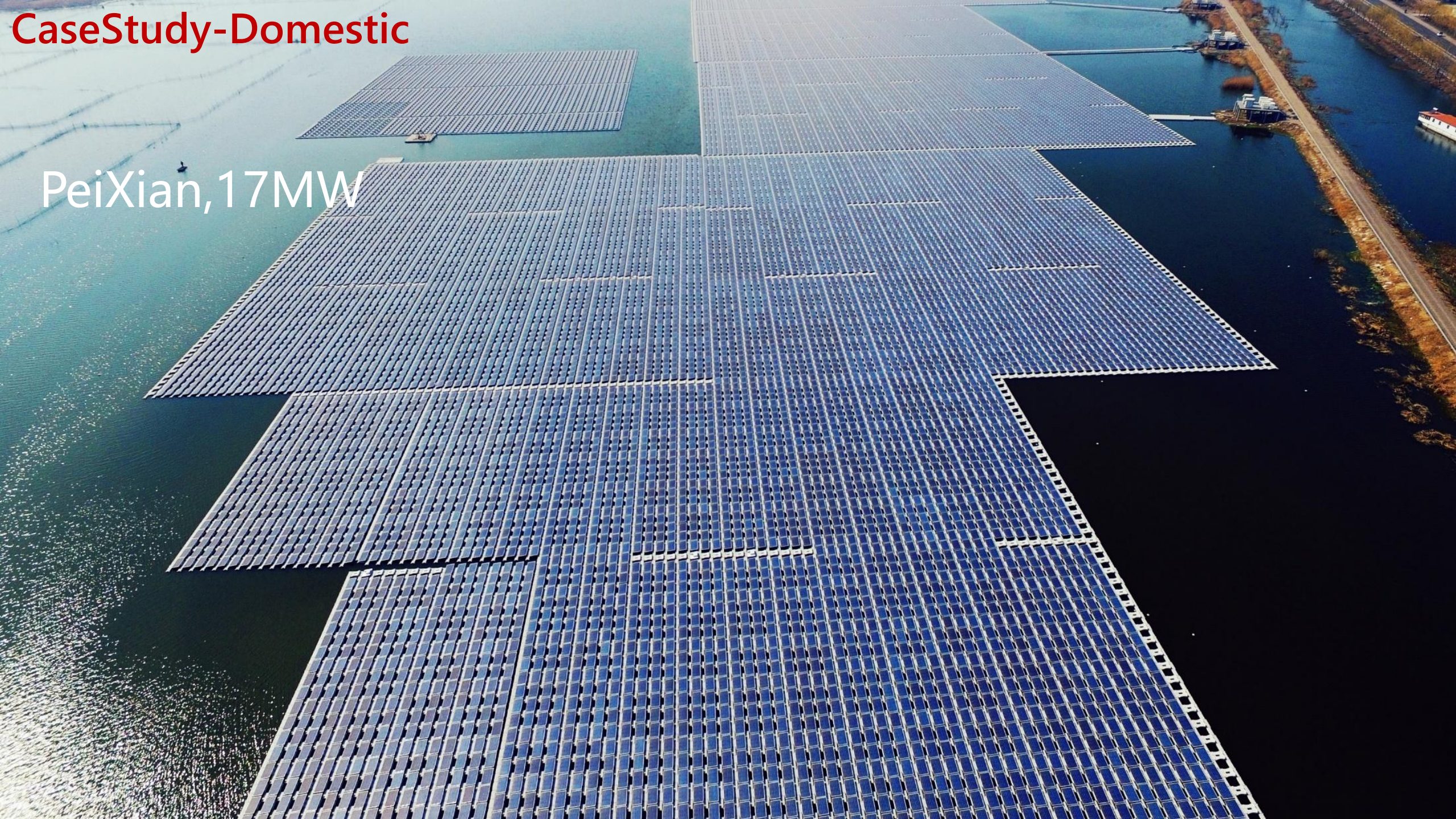
Low tide occurs every 12h24min, so almost 2 full cycles per day - Every day the reference time is delayed for 50 min
3 zones will be alternatively fully dry and fully under water depending on tide.
Ground is not perfectly flat, north part has higher ground level and wet hours will be shorter in our quarter than in the south half.
3.5 hours of water in the south half, and 3 hours of water in the north half. The extreme north part will probably only be totally covered with water for 2h per tide.

ChenYa,TaiWan Case Study



Ground is creamy, composed of really fine particles (sand and clay) mixed with water

CaseStudy-Domestic



CaseStudy-Domestic

CaseStudy-Israel

CaseStudy-Overseas-UK

CaseStudy-Japan

Case Study-Yantai, ShangDong

Company Briefing

- Founded in 2015, Sales&Marketing Center in ShangHai, R&D center in Suzhou
- Floating R&D and technical experience over 10 Years, over 1GW shipment
- Over 12 years experience, Solar, mechanical, electrical, engineering and design, project development
- IEC Member for Solar PV Standard Standard
- Technology Incubator Partner Of Shanghai Jiao Tong University

10 years+

Experience

IEC Member

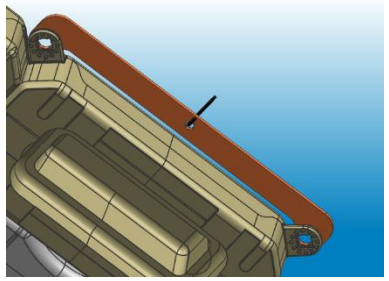
Solar Tracker Standard

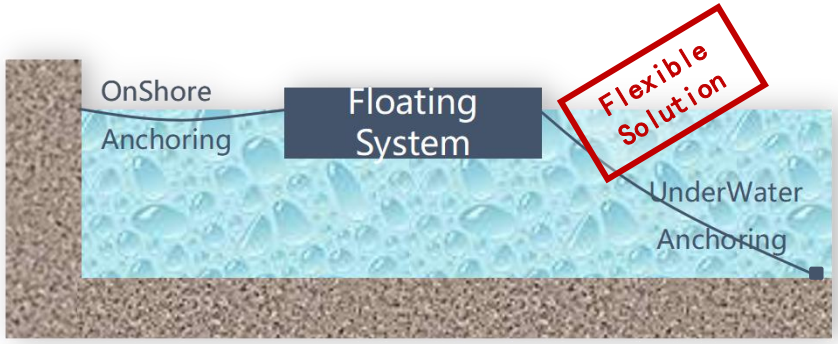
1GW+

Shipment

Ju-Float Overview

Floating solar system is power plant built on water face like pond, lake, reservoir etc., in order to solve the large land occupation problem of traditional ground solar system. Floating solar systems mainly consist of PV modules, combiner boxes, convertors, transformers, cables and floating bodies.



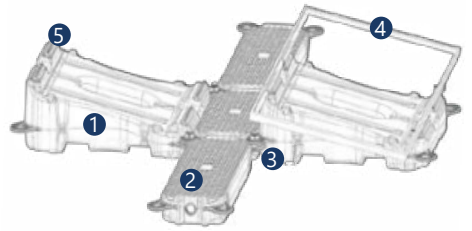


Save Precious Land

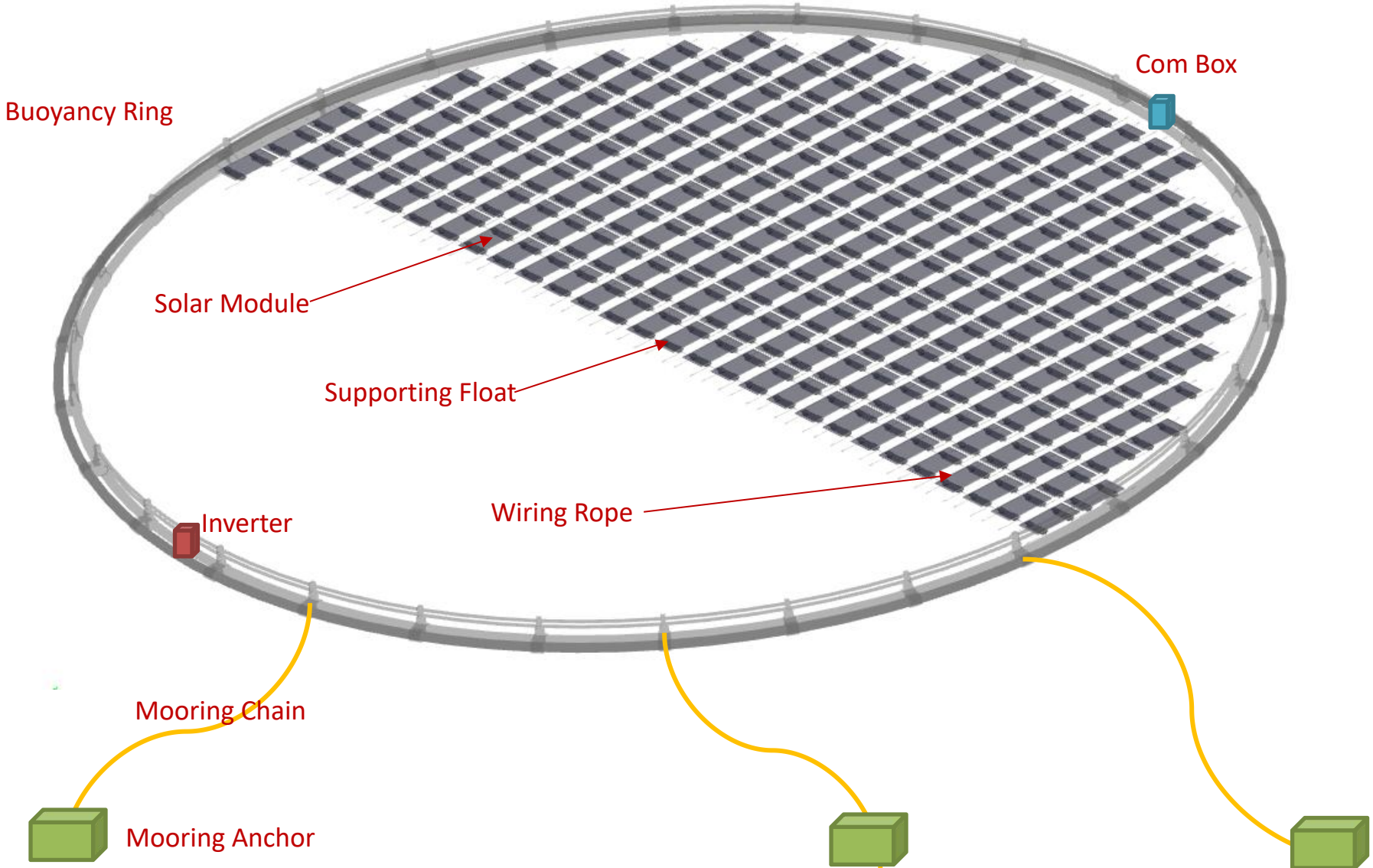
100% Recycling

Constrain Water Evaporation

1. Main float
2. Secondary float
3. Connection Pin
4. PV Module
5. Fix System



Ju-Float Overview



1，JustFloat-3

2，Parameters

3，System Components

4，Installation

5，Production & Delivery

6，Demo

Global Presence

Sales&Marketing Center:ShangHai,China
R&D technical Center:SuZhou,China

Production Base in China
KunShan, JiangSu

Overseas Service Center
Malaysia
India
South Africa
KSA
Brazil
Israel

Testing&Certificate


科标检测
Scistd Testing

测 试 报 告

Test Report

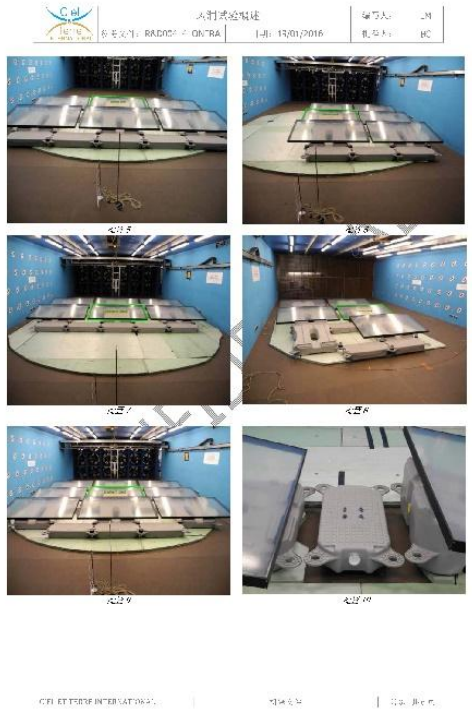
报告编号（No.）：SCT-A20160311-006N 第 2 页 共 20 页

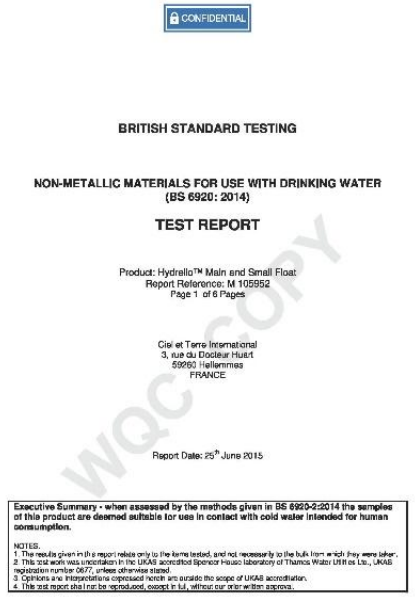
测试信息/Test Information

测试类别/Test Type	委托测试
测试日期/Test Period	2016-03-14 —— 2016-03-24
测试项目/Test Item	表面高温（110℃，2h）、表面低温（-40℃，2h）、耳环拉拉力、浮筒浮力、紫外老化（240h）、弯曲强度、冲击强度、REACH
测试设备/Test Equipment	热老化试验箱、恒温恒湿试验机、微机控制电液伺服万能试验机、紫外耐气候试验箱、摆锤式冲击试验机、微机控制电子式万能试验机、UV-VIS、LC-MS、HPLC、GC-MS 等
测试依据/Test Standard	参照GB/T 1040.1-2006、GB/T 1043.1-2008、GB/T 16422.3-2014、GB/T 9341-2008、法规(EC) No.1907/2006 (REACH)、约定方法对样品进行测试
测试结果/Test Conclusion	测试结果见第 3-18 页。
备注/Remark	本公司测试结果仅对来样负责，并不包括DUT复现特性。

批准：宋文涛 Approver: 审核：仲名南 Auditor: 编制：Editor:

科标检测（青岛）测试中心
Scistd Testing (Qingdao) Detection Center




CONFIDENTIAL

BRITISH STANDARD TESTING

NON-METALLIC MATERIALS FOR USE WITH DRINKING WATER (BS 6920: 2014)

TEST REPORT

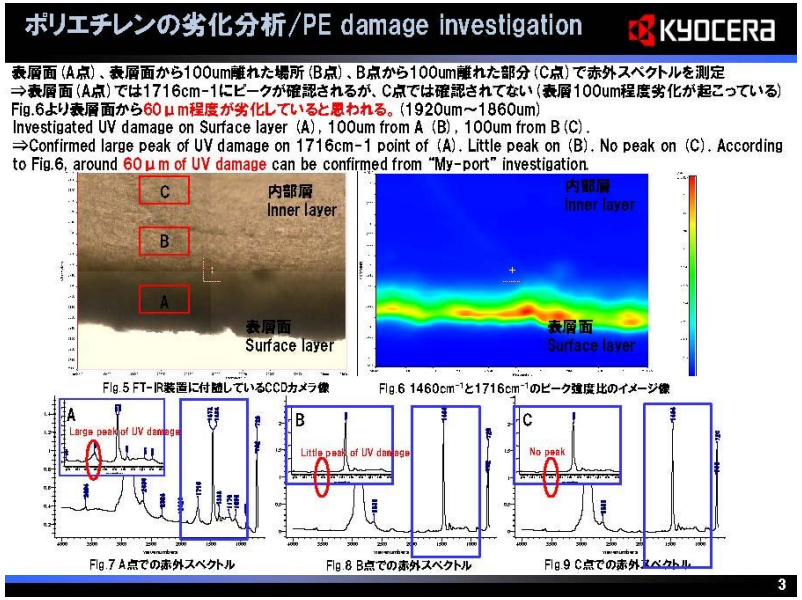
Product: Hydrello™ Main and Small Float
Report Reference: M 105952
Page 1 of 6 Pages

Ciel et Terre International
3, rue du Docteur Huart
59260 Hellemmes
FRANCE

Report Date: 25th June 2015

Executive Summary - when assessed by the methods given in BS 6920-2:2014 the samples of this product are deemed suitable for use in contact with cold water intended for human consumption.

NOTES
1. The results given in this report relate only to the items tested, and not necessarily to the bulk from which they were taken.
2. This test work was undertaken in the UKAS accredited Spencer House laboratory of Thames Water Utilities Ltd., UKAS registration number 0627, unless otherwise stated.
3. Opinions and interpretations expressed herein are outside the scope of UKAS accreditation.
4. This test report shall not be reproduced, except in full, without our prior written approval.



Chemical analysis and testing of floating materials

Aeronautical and Aerospace Laboratory (ONERA) wind tunnel experiments

Water Quality Impact Assessment Report - British Standard Laboratory

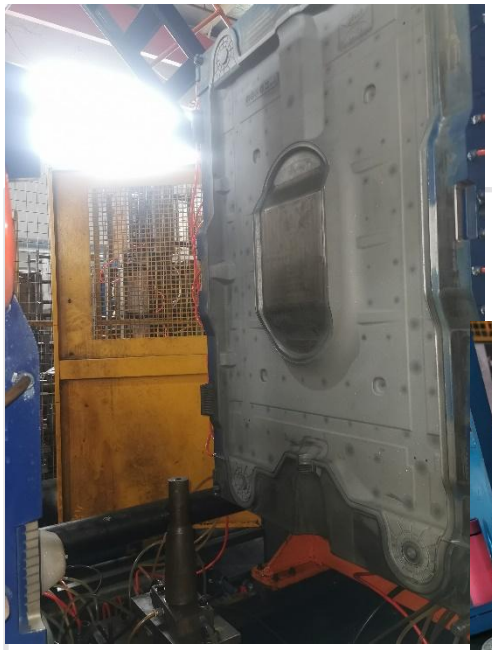
Japan Kyocera UV Damage resistance test

Production Capacity

In the construction process of floating PV power projects on the surface of the water, from manufacturing to commissioning, each link to implement strict quality control, to ensure high quality

The floats are manufactured using a blow molding process and advance in shipping and installation

inventory management and quality assessment, the entire process can be traced



5 Production Line

In 3 Countries

3 Days

Can Produce 2MWp

1,000,000

2021 Annual Capacity

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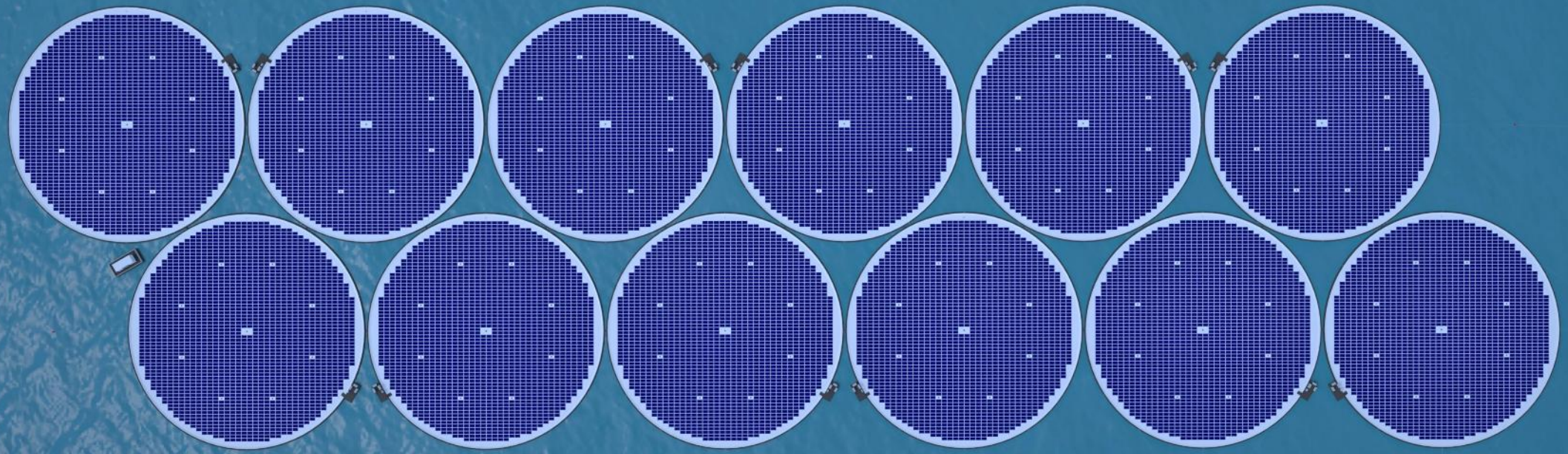

Thanks For Watching