

# PRESS KIT

2023 Edition

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[laketricity-fpv.com](https://laketricity-fpv.com)



# Summary



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# A WORD FROM THE DIRECTOR



# A word from the Director



**Eva Pauly-Bowles**

**President and Managing Director**

Eva Pauly-Bowles has been part of the Ciel & Terre International group since meeting group founder Bernard Prouvost in 2010. She set up the Japanese, UK and US subsidiaries before taking over as President of Laketricity in 2019.

## Laketricity, the world's pioneer in floating photovoltaics

### Locally-based solutions for the long term

We are aware of the need to support key players in the process of implementing a floating PV power plant. Likewise, we are driven by the ambition to constantly promote and accelerate the growth of renewable energies.

Initially specializing in the integration of rooftop and ground-mounted photovoltaic systems from 2006 to 2010, Ciel & Terre, our parent company, then followed the path of innovation. Since 2011, it has focused entirely on floating solar power. It distributes its solutions and expertise in the engineering, design and installation of floating photovoltaic power plants.

Facilitating the production of renewable energy is an integral part of our vision. For this reason, we have created an independent entity dedicated to project development: Laketricity®.

Laketricity aims to provide solutions to some of the planet's greatest challenges: producing more sustainable and renewable energy while preserving water resources, arable land and biodiversity.

We take into account the existing activities on each of our projects, so as to include them at the heart of our approach.

Our aim is to develop local projects that benefit the community over the long term. We can, for example, combine our projects with an existing energy-intensive facility or hydroelectric dam, increase energy resilience through battery storage, or put our projects at the service of a new technology.

### A common vision shared by all employees

***In short: the desire to push back the boundaries of traditional solar energy is part of our DNA!***

*Our local teams around the world provide innovative solutions, in harmony with communities and combined with existing site activities.*

*In addition to generating land income, enhancing the value of a site or reducing energy bills, our projects are part of a global environmental approach.*





02

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OUR  
HISTORY



# Ciel & Terre International Group



## Introducing the Group

Since 2006, a unique experience and an unchanged ambition

Facilitating the production of renewable energy was the driving force behind the creation of Ciel & Terre. First specializing in the integration of rooftop and ground-mounted photovoltaic systems in 2006, we then took the path of innovation. Our R&D team developed the patented HYDRELIO® technology, pioneering a floating system of solar power plants to be installed on water, on different types of reservoirs.

Since 2011, Ciel & Terre has been distributing its solution and expertise in the engineering and design of floating photovoltaic power plants for the commercial, industrial and local authority markets. The company has grown thanks to its **innovative potential** and **international strategic partnerships, based on trust, transparency and a mutual**

**willingness to share best practices, knowledge and experience.**

Today, **over 290 floating photovoltaic power plants worldwide**, equivalent to **850 MWp**, are using our floating solar technology, and this figure is set to rise to **over 1.6 GWp by the end of 2025**. Thanks to our unique experience, our teams have in-depth knowledge of the challenges posed by floating photovoltaics.

We are well aware of the need to support key players throughout **the process of setting up a floating photovoltaic power plant**. Likewise, we are driven by the ambition to constantly promote and accelerate the growth of renewable energies. This is why we have created an independent entity dedicated to project development: **Laketricity®**.



**+290** projects installed with floating PV systems



**850 MWp** generated by installed projects



**1,6 GWp** of total capacity in the pipeline



**4 TW of potential worldwide\***

**Floating solar energy is the third pillar of the solar industry.**

*PV Tech Magazine*

\*according to DNV, energy expert and insurer (2022)

# Laketricity : who are we ?



**+50**  
employees



**+90**  
projects



**+1 GWc**  
total capacity in  
our secured  
projects pipeline



**+95 MWc**  
total installed  
capacity



## Laketricity identity

### A strong raison d'être from Laketricity's inception in 2019

Laketricity is the independent project development entity of the Ciel & Terre International group. This experience enables us to respond to the specific needs of each site, offering owners the opportunity to enhance the value of their land while respecting ecosystems and their **biodiversity**.

That's why Laketricity's approach is based on **proximity**, collaboration and consultation. We work hand in hand with the owners to develop the most appropriate solutions for **the development of reliable and sustainable floating solar power plants on all types of water bodies**.

The company's mission is **to deploy intelligent solutions to positively integrate renewable energies into their local environment**. Laketricity is actively committed to the transition to clean energy, and to this end they surround themselves with a large network of specialized technicians.

The company was born of this commitment to help build a more sustainable future.

Success is measured not only by a company's ability to develop projects, but also by the positive impact it can have on its surroundings. This is why Laketricity has integrated **a CSR (Corporate Social Responsibility) approach** into all its activities.

### The four pillars of Laketricity's CSR approach

- **Respect for the environment:** reducing our carbon footprint by developing projects with a neutral or even positive impact and deploying eco-responsible practices.
- **Respect for human rights:** promoting ethical business practices.
- **Commitment to employees:** providing a fair, safe and inclusive working environment.
- **Collaboration with communities:** supporting local communities and the populations surrounding our projects.



# Our history



## 2015 - Kato-shi Ike, Japan

- Ciel & Terre International Group begins project development activities with Kato-shi ike in Japan, the first co-developed project,
- Launch of project development activities in Japan.

## 2018 - Sugu #1, Taiwan

- Laketricity is developing its first projects in Taiwan with Sugu#1 and Sugu#2 for a total of 5.2MWp.



## 2019 - Sobradinho, Brazil

- Creation of Laketricity,
- Signing of the 1st 35MW high-voltage project in the USA (grid connection scheduled for 2025),
- First project developed on a hydroelectric dam in Brazil: Sobradinho, 1MWp.

## 2020 - Windsor, USA

- +53MWp of projects built and developed internationally,
- Acceleration of Laketricity's activities in the United States with the development of a 1.8MWp floating solar power plant on a water treatment basin for the city of Windsor.



## 2021 - French Team

- Creation of the Laketricity EMEA subsidiary with two offices: Bordeaux in France and Verona in Italy,
- 39MWp of projects developed and built in Japan.

## 2022 - Taixi #2, Taiwan

- 500 MW of sites secured by Laketricity worldwide,
- Laketricity opens up new markets with the first project developed on a fish farm site in Taiwan: Taixi#1 and Taixi#2, totalling 2.6MWp,
- Creation of Laketricity's Japan subsidiary, with 29 floating solar power plants already developed locally.



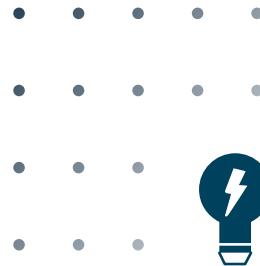


# Our mission & Our offices

## Our mission

Laketricity is actively committed to the transition to clean energy, which is why its teams are surrounded by a large network of specialized technicians. Laketricity was born of this commitment to help build a more sustainable future.

*Laketricity develops floating photovoltaic projects around the world, integrating them sustainably into the local environment.*



**3 GWp**  
ambition over  
the next 5 years.

## We are present worldwide

**6**  
offices

**+10**  
partners

**+11**  
careers

**+10**  
countries covered





03

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OUR  
PROJECTS



# Our projects



## Windsor, CA - USA



**Water treatment pond**



**Capacity 1785 kWp**



**Coverage rate of 22%**



**1260 tons of CO<sub>2</sub> avoided**



**Equivalent domestic consumption of 706 households**

Every two years or so, the City of Windsor measures its greenhouse gas emissions and analyzes them with the aim of reducing them. In 2017, it was found that 38% of the city's carbon footprint was due to wastewater treatment facilities.

To limit the impact of the wastewater treatment plant, the town of Windsor wanted **to install solar panels to make the facility virtually self-sufficient in energy (95%)** and thus reduce the town's carbon footprint. However, they faced a dilemma: there wasn't enough available land in Windsor to install so many solar panels.

On the other hand, the water treatment basin, which collects the treated, filtered and disinfected water, offered sufficient surface area to accommodate **floating solar panels**.

The adventure with Ciel & Terre and Laketricity could begin. In 2020, after two years of project development, construction and installation, the floating solar panels were able to generate electricity for the water treatment plant.

## Piolenc - France



**Quarry lake**



**Coverage rate of 39%**



**Capacity 17 015 kWp**



**1093 tons of CO<sub>2</sub> avoided**



**Equivalent domestic consumption of 4733 households**



Piolenc is the very first project developed by Laketricity (formerly Multimega, the development arm of the Ciel & Terre group). It is also the first French floating solar pilot, installed on the company's own initiative.

The development of the project was carried out in collaboration with Akuo, who remained active during

the development phase and contributed significantly to the engineering of the project. The floating solar power plant is now operated by Akuo.

This installation was made possible thanks to the surface area offered by the quarry lake for floating solar panels. The renewable energy produced is fed into the grid.



# Our projects

## Hanaoka Ike - Japan



Irrigation pond



Capacity 2289 kWp



Coverage rate of 48%



1563 tons of CO<sub>2</sub> avoided



Equivalent domestic consumption of 877 households

Hanaoka Ike is located in the town of Minamiawaji, in Hyogo prefecture, which is renowned locally for its onion production. The pond belongs to the town and is managed by a local farmers' association.

A pond near Hanaoka Ike has become home to a floating solar project, which has begun to produce renewable energy in return for a rental fee for the surface area. This new neighboring project has sparked the idea in other local farmers.



The Minamiawaji Farmers' Association quickly sought to secure its own financial independence, and was able to do so by developing a floating solar power plant in turn with Laketricity. Since its connection to the grid in 20XX, regular rents have been used to repair local waterways and purchase pumping equipment for the ponds.

Electricity is supplied to KANSAI Electric Power Company under the FIT (Feed-In Tariff).



## Sobradinho - Brazil



Hydroelectric dam



Coverage rate of 0,01%



Capacity 1005 kWp



691 tons of CO<sub>2</sub> avoided



Equivalent domestic consumption of 239 households

The Sobradinho dam was built in the 1970s on one of Brazil's main rivers: Rio São Francisco. Its flow is used to generate electricity thanks to the hydroelectric dam installed on the reservoir.

It was in 2016 that the Brazilian government took the decision to launch a Research and Development program to study the hybridization of a floating photovoltaic power plant with a hydroelectric dam.

The research was conducted with local academics to measure the impact of the plant and carry out the necessary studies.

As a result, the project proposed by Ciel & Terre and Laketricity to build a floating solar power plant was born, enabling the implementation of hybridization between a floating solar power plant and a hydroelectric dam. This is the first FPV (Floating PhotoVoltaic) project in South America.



# Our testimonies



We expect to save up to \$87,000 per year in our energy cost.

*This floating solar project is the largest in California, and we're very proud of it. We can lead the way and show other municipalities and water agencies what they can do. We expect to save up to \$87,000 a year on our energy costs. Up to \$4 million over the 25-year power purchase agreement.*

**Debora Fudge**

Deputy Mayor of Windsor, California

[Watch the video](#)



*With the land available to the town, we certainly wouldn't have been able to install a conventional solar power plant capable of supplying 95% of the consumption of the water treatment plant and adjoining pumping station. However, we did have the necessary surface area on the water reservoir.*

**Garrett Broughton**

Civil engineer associated with the City of Windsor, California



We do have the surface area on ponds just not on land.

[Watch the video](#)



## Collaboration with communities

*The Windsor project won the Helen Putnam Award for innovative solutions.*

[Read the news on the website](#)



05

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PRESS  
REVIEW



# Press article - L'Alsace

Laketricity is currently developing a floating photovoltaic project in Alsace, on a stretch of water in the commune of Burnhaupt-le-Bas.

The site is a 17-hectare former gravel pit, located close to the A36 freeway, and could produce up to

20 GWh of renewable energy. By equivalence with the energy consumption of households in France, this corresponds to 4,900 homes.

This press article appeared in L'Alsace on September 1, 2023.

32 | Région Environnement | Vendredi 1er septembre 2023 | L'ALSACE

## ÉNERGIE

# Une centrale photovoltaïque flottante sur le plan d'eau de Burnhaupt-le-Bas

La commune de Burnhaupt-le-Bas vient d'approuver un projet d'installation photovoltaïque flottante sur son plan d'eau communal de 17 hectares. Une première dans le Haut-Rhin, qui pourrait permettre d'alimenter 4 900 foyers en électricité.

Implanté dans un cadre bucolique, seulement troublé par le bruit du trafic routier de l'A36 toute proche, le plan d'eau communal de Burnhaupt-le-Bas pourrait bientôt présenter un visage très différent de celui qu'il arbore aujourd'hui. Les élus de la commune viennent en effet d'approuver un projet de centrale photovoltaïque flottante, une installation qui recouvrirait avec des panneaux solaires une partie des 17 hectares de cette gravière.

« Nous avons été sollicités par plusieurs porteurs de projet, qui désiraient utiliser le plan d'eau afin d'y installer des panneaux photovoltaïques flottants », explique le maire de Burnhaupt-le-Bas, Alain Grieneisen. « Cela nous a incités à nous intéresser à la question, pour des raisons environnementales bien sûr, mais aussi parce que ce plan d'eau représente un poids mort pour la commune depuis de nombreuses années. » Creusé lors de la création de l'autoroute dans les années 1970, la gravière a vu passer de nombreux projets au fil des ans, dont aucun n'a abouti. « Aujourd'hui, tout y est interdit, la baignade

comme les activités nautiques », souligne le maire. « Seuls les pêcheurs l'utilisent pour leurs activités. Il attire bien sûr de nombreux promeneurs aux beaux jours, mais son entretien représente une charge élevée pour la commune. »

**Jusqu'à 20 GWh par an d'énergie renouvelable**

La municipalité s'est rendue dans le sud de la France et en Allemagne, où des installations similaires sont déjà en fonction. La commune de Fribourg, dans le Haut-Rhin, a été la première à inaugurer une centrale flottante en 2019. D'autres projets sont dans le Bas-Rhin. Verdict : « Les panneaux sont très discrets, et n'engendrent pas de nuisances. Nous avons donc lancé un appel à manifestation d'intérêt, auquel trois candidats ont répondu. » Après analyses des candidatures, le choix s'est porté sur le groupe Laketricity-Elements, implanté à Bordeaux et Montpellier.

Des études sont en cours, dont une évaluation de l'impact environnemental, qui devrait durer un an. Des échanges auront lieu avec le comité de suivi mis en place et la commune afin d'arrêter un projet adapté au site. Selon le scénario retenu, ce projet solaire flottant pourrait représenter jusqu'à 20 GWh par an d'énergie renouvelable produite en plus sur le territoire, soit l'équivalent de la consommation de 4 908 foyers.

« Pour donner un ordre d'idées, il est produit 2,2 GWh d'électricité renouvelable à l'échelle de notre communauté de communes, pour une consommation de 102,2 GWh sur ce même territoire. Autrement dit, moins de 3 % de l'électricité consommée à l'échelle locale est produite sur place », indique Alain Grieneisen. « Je peux entendre que ce

projet suscite des interrogations, mais les choses changent, la demande en électricité ne va faire qu'augmenter et, si chaque commune fait un geste, nous pourrions peut-être parvenir à couvrir nos besoins. »

**Mise en service fin 2025 au plus tôt**

La mise en service de la centrale de Burnhaupt-le-Bas est prévue fin 2025 au plus tôt. La commune percevra une redevance en fonction de la puissance réalisable, « ce qui pourrait représenter plusieurs dizaines de milliers d'euros par an », espère Alain Grieneisen.

La perspective de voir le plan d'eau communal recouvert en partie de panneaux solaires n'a pas manqué de susciter des interrogations chez les habitants, même si, selon le maire, « la plupart ont parfaitement compris les enjeux d'un tel projet ». L'installation interdira de facto les activités sur le plan d'eau, en particulier la pêche. « Quelques voix au sein de l'association de pêche m'ont fait part de leur mécontentement », reconnaît Alain Grieneisen, en soulignant que les pêcheurs disposent d'une solution de repli avec l'étang du Hagendorn, plus petit que le plan d'eau communal. « Évidemment, l'association va peut-être devoir se redimensionner, mais nous allons les accompagner et ils seront étroitement associés au projet. »

Les promeneurs pourront, eux, continuer à profiter librement des chemins bordant le site.

Stéphane CARDIA

Plusieurs centrales photovoltaïques flottantes sont déjà entrées en fonction dans le monde, notamment en Asie et aux États-Unis (notre photo). Photo Laketricity/Noah BERGER

SÉCHERESSE | RÉCHAUFFEMENT CLIMATIQUE

## News program- BFM Alsace



Léa Jarry, Project Manager at Laketricity, was interviewed by BFM Alsace on the program planète locale about the development of the Burnhaupt-le-Bas floating photovoltaic project.

The show was broadcast live on September 25, 2023 on BFM Alsace.

Consult the replay of the show



# Digital Clean Up 2023

To mark **Digital Clean Up Day 2023**, Laketricity organized a WEEE collection at Darwin and agreed a partnership with EcoMicro to

recondition and recycle the collected devices. This action was the subject of a **press release** in March 2023, see opposite.

CONTACT : [marketing@laketricity-fpv.com](mailto:marketing@laketricity-fpv.com)

## COMMUNIQUÉ DE PRESSE

Bordeaux, le 06 mars 2023



### La toute première collecte de déchets électriques et électroniques (DEEE) organisée par Laketricity à Bordeaux

A l'occasion du Digital Clean Up Day, Laketricity met en place une collecte de déchets électriques et électroniques (DEEE) au sein de l'Écosystème Darwin du 13 au 20 mars 2023.

Laketricity annonce son prochain rendez-vous visant à contribuer à un monde plus propre à travers une collecte de déchets électriques et électroniques durant une semaine à partir du 13 mars. Cette initiative est lancée à l'occasion du Digital Clean Up Day ayant lieu le 18 mars et se tiendra à Darwin, Bordeaux (au niveau de la Conciergerie Solidaire). Elle s'inscrit dans la mission de Laketricity de développer des solutions de production d'énergies renouvelables pour les intégrer durablement dans leur environnement local.



Photo de la Conciergerie Solidaire à Darwin

La collecte est organisée en collaboration avec l'agence Equitacom, représentée par Nathalie Baumann. Une entreprise de recyclage, EcoMicro, est également partenaire afin que les appareils déposés soient recyclés conformément aux normes en vigueur et que les matières dangereuses soient éliminées en toute sécurité. Les objets acceptés lors de la collecte sont : écrans, imprimantes, unités centrales, claviers et souris, téléphones, etc.

L'événement vise à encourager le public à adopter des pratiques responsables en matière de gestion et de réduction des déchets électroniques et à le sensibiliser à l'importance du recyclage.

L'événement souligne également l'engagement de Laketricity en faveur de pratiques durables, une vision dont l'activité de développement de projets solaires flottants découle. En effet, les projets développés par Laketricity permettent de générer une énergie verte et accessible tout en préservant les terres arables pour d'autres usages.

Laketricity encourage tous les citoyens à participer à cette initiative en apportant leurs appareils électroniques anciens et inutilisés au centre de collecte<sup>1</sup> du 13 au 20 mars. Tout le monde est invité à participer au mouvement mondial du Digital Clean Up.

1. Le centre de collecte de Laketricity est situé au sein de l'écosystème Darwin, au niveau de la Conciergerie Solidaire. D'autres centres de collecte sont référencés sur le site [Digital Clean Up Day](https://www.digitalcleanupday.com)



### A propos de Laketricity

Laketricity est l'entité indépendante de développement de projets solaires flottants du groupe Ciel & Terre. Depuis 2019, Laketricity développe des projets solaires flottants à l'international grâce à ses 5 bureaux : France, Italie, États-Unis, Taiwan et Japon. Laketricity compte aujourd'hui plus de 90 projets pour une capacité totale de plus de 80 MWC et entend développer une capacité de 800 MWC d'ici à 2025.



### A propos du Digital CleanUp Day

D'après le site internet de l'événement :

« Le Digital Cleanup Day est la Journée du nettoyage numérique, en France et partout dans le monde. L'objectif du Digital Cleanup Day est de créer les conditions d'une prise de conscience globale de l'impact environnemental du numérique en déployant des actions de sensibilisation au numérique responsable, fédératrice, conviviale et permettant d'engager concrètement le premier pas : d'une part en nettoyant les données et d'autre part en offrant une seconde vie à nos équipements numériques. Le Digital Cleanup Day a lieu chaque année, le 3ème samedi de mars [...] et est une initiative de World Cleanup Day France et l'Institut du Numérique Responsable lancée en 2020 »



### A propos d'EcoMicro

Fondée à Bordeaux en 1996, EcoMicro collecte, reconditionne et recycle les D3E des entreprises publiques et privées.

Cette prise en charge concerne les parcs informatiques, matériels télécoms, industriels ou médicaux, rebus de production aéronautique, et les panneaux photovoltaïques !



### A propos d'Equitacom

Equitacom est une agence de communication basée à Bordeaux – Écosystème Darwin. Nathalie Baumann est consultante en communication & marketing responsables au sein de l'agence, spécialisée dans la communication éthique et responsable, dans la lignée du développement durable.

CONTACT : [marketing@laketricity-fpv.com](mailto:marketing@laketricity-fpv.com)

The local **press, Sud-Ouest**, took up the subject with a dedicated article, as well as a recorded passage for local **radio station France Bleu Gironde**.



Listen to our radio broadcast on LinkedIn

### Bordeaux : un point de collecte de déchets électriques et électroniques installé pendant une semaine

Lecture 1 min

Accueil • Gironde • Bordeaux



Les citoyens pourront y déposer imprimantes, claviers, téléphones et autres objets numériques obsolètes, cassés ou simplement inutilisés. © Crédit photo : Illustration Archives Alexandre Renardier - Sud Ouest

Read the article



# Press article - PV Tech

NEWS

## BlueWave Solar teams up with Laketricity to develop 'floatovoltaics' in Massachusetts

By [Molly Lempriere](#)

August 6, 2021

[Companies, Markets & Finance](#)

[Americas](#)

### LATEST

Gautam Solar to double solar module manufacturing capacity to 2GW by 2024  
NEWS

LONGi to supply 100MW of modules to R.Power in Poland  
NEWS

SolarSpace begins cell production at first Laos manufacturing plant  
NEWS

Iberdrola completes first hybrid solar-wind project in Spain  
NEWS

PV Tech continues

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BlueWave Solar announces a joint venture with Laketricity, a company from Ciel & Terre. Image: Laketricity.

BlueWave Solar has entered the floating solar space, thanks to a joint venture with Laketricity, a Ciel & Terre company.

The agreement will see the two look to develop projects in Massachusetts, with the intention of expanding throughout the Northeast region of the US.

"We are thrilled to work with the world's leading floatovoltaics provider to bring floatovoltaics to New England," said John DeVillars, co-founder and chairman of BlueWave Solar.

The company focuses on dual-use solar development, or agrivoltaics, and has developed over 155MW of projects to date. This includes a number of community PV projects, such as two [completed in 2018 together with Ameresco](#).

BlueWave hopes bringing this expertise together with Laketricity's innovation in floating solar rigs and technology will allow the two to develop unique solutions.

As the development arm of Ciel & Terre, Laketricity is focused on C&I and utility-scale floating solar development. Its parent company has installed over 230 floatovoltaic projects globally, and 21 projects in the US with a combined capacity of over 162MW.

"Partnering with BlueWave is a natural fit for Laketricity as we combine the respective strengths and experience of our teams to develop a sizeable portfolio of floating solar projects in New England," said Alexis Gaveau, CEO of Ciel & Terre and president of Laketricity USA.

Floating solar is expected to be especially important in areas like Massachusetts where building on man-made ponds and reservoirs could help solve land use problems.

Following a press release announcing the partnership between BlueWave Solar and Laketricity USA Inc. several articles appeared in the press.

**The screenshots opposite show an article published in PV Tech on August 06, 2021.**

[Read the article](#)



# Contact us

## Press Contact

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**We've recently redesigned our entire website to better reflect who we are and what we do at Laketricity.**

Feel free to browse through the different categories, as well as our FAQ for information on floating solar and project development.

[laketricity-fpv.com](https://laketricity-fpv.com)



Project : Isawa Ike, Japan



**Laketricity**

Follow us to keep up to date with all our news.



**Laketricity**

Discover our Corporate video and interviews with our teams.