

OCEAN SUN

*A BOLD SOLUTION TO OUR GLOBAL
ENERGY NEEDS*

*QUARTERLY PRESENTATION Q4 2020
10.02.2021*



- Highlights
- Brief overview of Ocean Sun
- Operations and business developments
- Financials
- Appendix



Highlights



Euronext Growth
IPO



Performance
scientifically
approved



Digital Europe
Future unicorn
finalist



Fred Olsen
Offshore PV
EC funded



Significant
market pull

V I S I O N

WORLD LEADING TECHNOLOGY
PROVIDER TO FLOATING PV
SYSTEMS

A white L-shaped graphic element consisting of two perpendicular bars.

Brief overview of Ocean Sun

Ocean Sun - Investment highlights



1

Fast-growing market

2

Unique technology for Floating PV

3

Extensive project pipeline¹

4

Scalable & asset light business model

5

Experienced & committed team

Note: 1) "Pipeline" means potential projects where the Group is in discussions with possible customers, but where no binding contract or commitment exists. The likelihood of such projects becoming binding contracts or commitments, and/or what terms and conditions that will apply to such contracts (if entered into) are uncertain.

Why the need for floating solar and Ocean Sun's solution?

Need



Renewable energy

- As the world is electrifying there is an increasing demand for, and dependency on electricity, which share of the total energy mix is forecasted to more than double to 45% by 2050 (DNVGL).
- Simultaneously the Paris agreement and other climate commitments stress the urgency for a transformation to renewable energy sources.



Deployment Space

- Traditional solar systems require extensive areas of land which have become a scarce commodity, especially in proximity to demand centers.
- The alternative cost is high as valuable land resources could be used for other applications such as agriculture.
- Ground mounted PV can also require significant site preparations.



Fitting Solution

- The current dominating design for floating PV is not equipped for realisation of the floating PV potential.
- Current technical solutions are too expensive, as they use significant extra material (plastic)
- In addition, current technologies are not robust enough, nor suitable for large scale deployments.

Solution



Solar Energy

- Solar power is the most promising of all renewable energy sources and global installed capacity has increased by 95 GW in just 4 years to 140 GW in 2019.
- Due to rapidly falling costs, solar electricity generation is expected to grow 65-fold from 1% of total electricity generation in 2016 to 40% in 2050, becoming the single largest provider of electricity in less than two decades.



Floating Solar

- Water covers 71% of our planet's surface and a majority of the densely populated land areas are close to water.
- Floating PV installations has several benefits and open new opportunities for scaling up solar generation as no valuable land is used. Co-sitting with hydropower sites, existing transmission infrastructure can be used.
- Improved energy yield due to cooling effects from water.



Ocean Sun FPV Solution

- Ocean Sun's solution represents the lowest theoretical cost of a floating PV installation with the potential of realizing an LCOE on par, or even lower, than that of ground mount solutions.
- The unique design is more robust and enables large scale deployments in new and existing markets.
- Unprecedented energy efficiency due to direct water cooling



Est. 2016



Patented



«OSUN» Euronext Growth



5 Demos



Oslo (HQ)
China and Singapore



100 MNOK acq.
for further growth



Ocean Sun is the world leading technology provider to floating PV systems



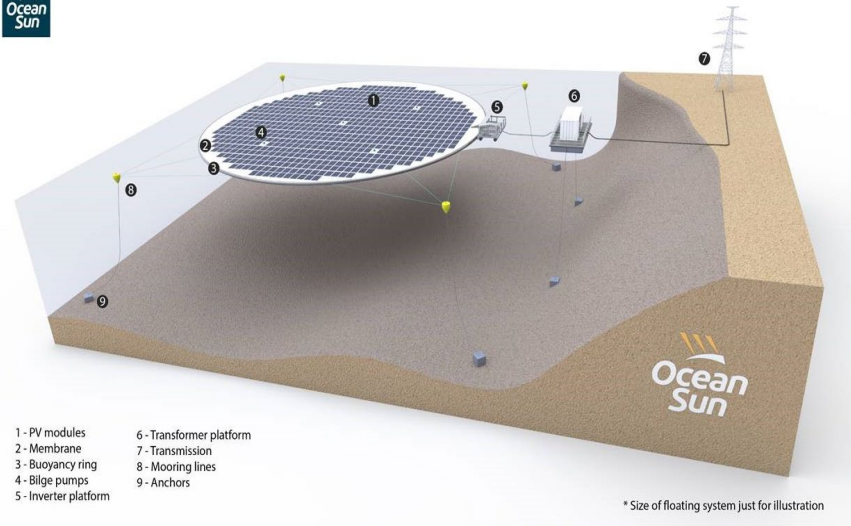
The technology

Ocean Sun's core innovation, a floating power system with solar panels mounted on a thin hydroelastic membrane, offers a unique solution to the world's energy needs.

Our technology offers renewable energy at world-beating cost levels enabled by the low material use and the water body's cooling effect, which lowers the solar panels' operating temperature and increases their power output.

Ocean Sun owns an IPR portfolio, including numerous patents and patent applications in all major markets. We do not manufacture components but offer license agreements, whereby developers and independent power producers are granted rights to deploy our technology for their projects.

System components

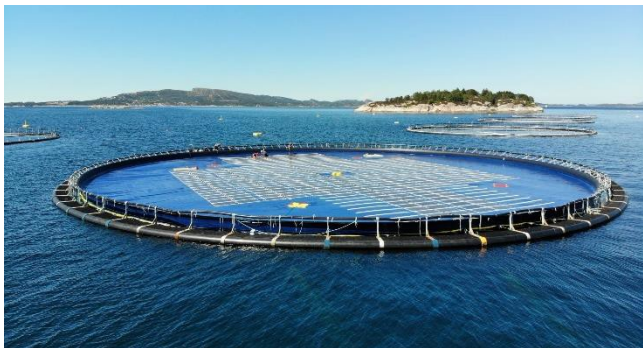


- 1 - PV modules
- 2 - Membrane
- 3 - Buoyancy ring
- 4 - Bilge pumps
- 5 - Inverter platform
- 6 - Transformer platform
- 7 - Transmission
- 8 - Mooring lines
- 9 - Anchors

* Size of floating system just for illustration

Ocean Sun's combined value proposition is the worlds best floating PV system

Ocean Sun's Floating PV solution



Standard PV panels tailored for installation on membrane attached to buoyancy rings

- Uses less plastic and a simplified mooring resulting in the lowest cost system on the market
- Resistant to degradation from salt water and more durable in waves and wind (tested and approved for Class 4 typhoons of 275 km/h winds)
- Boosting cell efficiency and power output (up to 10%) by direct water cooling
- Effective transportation (10-15x less logistics need) and installation at scale, reducing total investment costs

versus

Conventional Floating PV systems



Standard PV panels installed on metal frames on blow-moulded plastic pontoons

- High material use, large transportation volume and suboptimal installation at scale -> higher cost
- Many moving parts and gaps, making them prone to degradation from waves and wind, limiting deployments in non-sheltered places
- Air-cooled -> high operating temperature

Past installations have proven the technology's durability, performance and ease of installation



Magat

- 🏆 June 2019
- 📍 Magat dam, Philippines
- 📄 50 m diameter
- ⚡ 221 kWp installed effect
- 🤝 SN Power

Customer pilot with 67 MWp project potential in next phase. 50 m vertical elevation variation



Osterøy

- 🏆 April 2017
- 📍 Bergen, Norway
- 📄 50 m diameter

Company's first pilot with almost 4 years problem free operations

Johor Straits

- 🏆 March 2018
- 📍 Palau Ubin, Singapore
- 📄 12 PV panels

Test and demonstration unit built to prove OS technical solution for customers in equatorial waters

DNVGL Testsite

- 🏆 April 2019
- 📍 Singapore
- 📄 9 panels mounted in 3 different ways

Small testsite to demonstrate Ocean Sun increased efficiency towards competitor and land-based solutions

Kyrholmen

- 🏆 July 2018
- 📍 Bergen, Norway
- 📄 50 m diameter

Large scale pilot to test the durability of the design. Good results and lessons learned

Banja

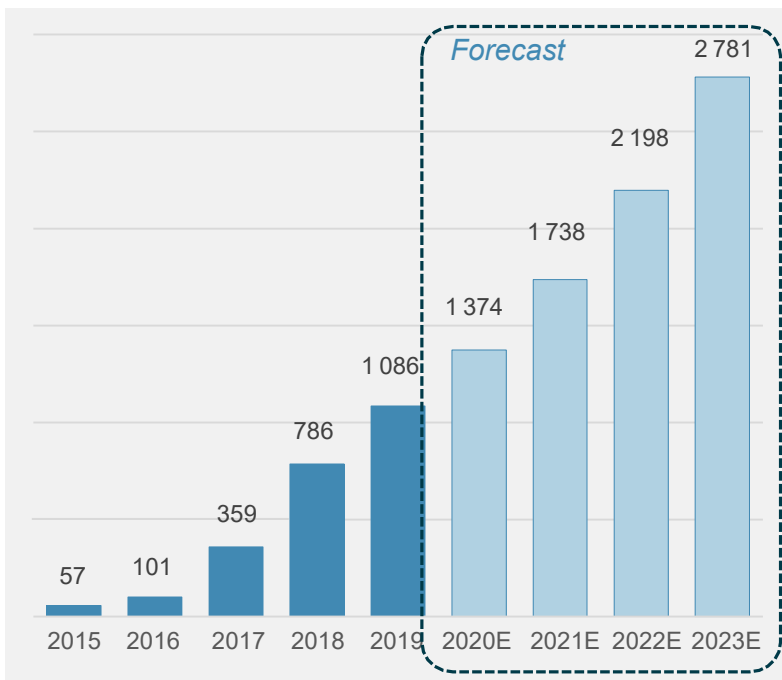
- 🏆 March 2019
- 📍 Banja reservoir, Albania
- 📄 4*69m diameter
- ⚡ 4*0.5 MWp installed effect
- 🤝 Statkraft

Under construction. Estimated completion of first phase in Q1'21

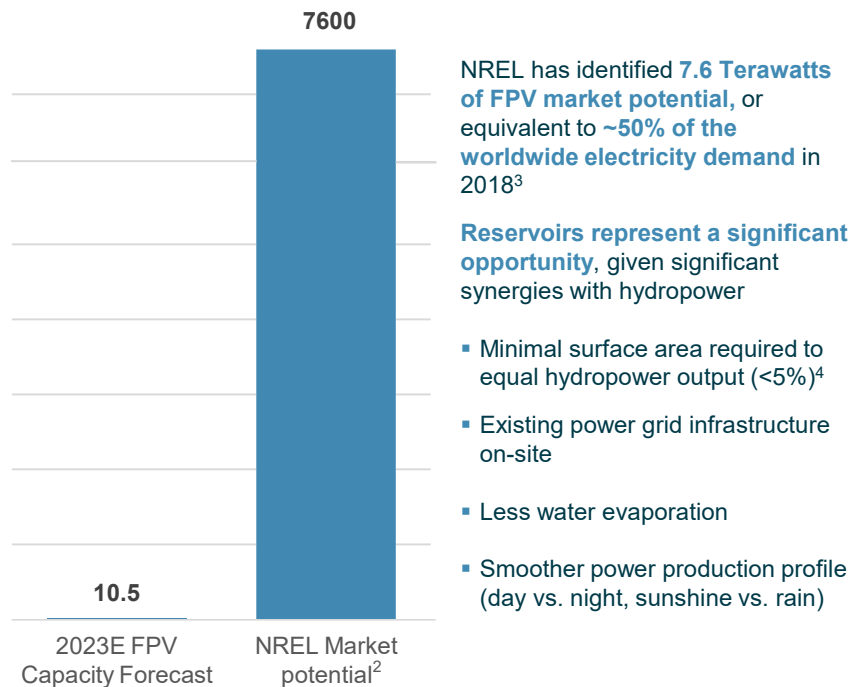


Exponential growth forecast and limitless market potential

Annual FPV installations¹ (MWp)



Capacity vs. market potential (GWp)



Ocean Sun is a technology provider and offers detailed design and the right to use its technology in exchange for a license fee per Wp installed



1 Component providers

- Ocean Sun's solution uses "off-the-shelf" materials with the flexibility to choose between numerous different suppliers. Thus, high-volume deliveries are readily available

2 Engineering, procurement and construction ("EPC")

- The solution is installed by third-party contractors
- As the solution is easy to install, it can be installed by a broad range of contractors

3 Customers

- Ocean Sun's contracting party, i.e., the customer, can be any party in the upstream value chain
- The customer pays Ocean Sun a technology license fee per Watt installed

Current pipeline is extensive despite limited marketing

100+
NDAs

65+
leads

30+
preliminary designs*

5+
contract stage

**Inc. PV syst, Location mapping, Site evaluation and energy generation*



A white L-shaped graphic element consisting of two perpendicular bars.

Operations and business developments

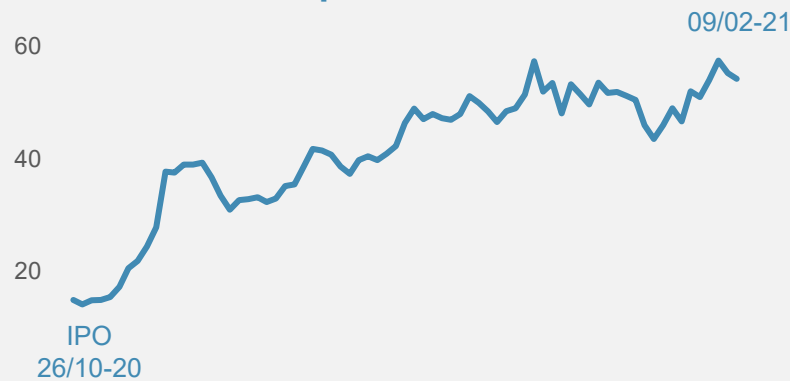
Highlights

In October, Ocean Sun successfully closed a private placement of NOK 100 million. The private placement was followed by a listing on Euronext Growth with a listing price of NOK 18kr per share and first day of trading on the 26th of October 2020.

By the end of the quarter Ocean Sun had more than 1200 shareholders.



Stock Price development



Project details

On the 18th of January Ocean Sun announced that it will test its floating solar solution in offshore conditions outside the Canary Islands. The test-unit will be built under a Horizon 2020 project where Ocean Sun is part of a consortium consisting of Ocean Sun, Fred Olsen Renewables, Innosea, the Technological Institute of the Canary Islands (ITC) and the Oceanic Platform of the Canary Islands (PLOCAN).

The project has a duration of 30 months, a total budget of 4 million euros and a grant ratio of 70%. Ocean Sun's total grant under the project is estimated to ~900 thousand euros. The project starts in January 2021 with design and tests in basin laboratory and will be followed by sea trials. Following the installation, all aspects of the system will be analyzed and a plan for further commercialization and large-scale deployments will be developed.

The offshore test location poses challenging sea conditions with up to 10m wave-heights and high winds. As such the project is an excellent opportunity for Ocean Sun to explore the outer limits of its technology. The project will also serve to qualify and certify Ocean Sun's patented floating solar technology for offshore applications in non-sheltered locations.

Ocean Sun's technology is perhaps the only economically feasible solution for such exposed areas and as such this project opens up for floating solar in vast coastal areas, for e-fuel production, hydrogen/ammonia, or desalination purposes.



Project update

Ocean Sun has been contracted by Statkraft to build a 2MWp full scale demonstrator system on the Banja reservoir in Albania.

The project consists of in total four 0.5 MWp floaters and will be delivered in two phases of 0.5 MWp and 1.5 MWp respectively.

The first ring has been successfully constructed and it is forecasted to be commissioned during Q1 or early Q2.

Second phase of the project is expected to start shortly after commissioning of the first ring.



Project update

The Saemangeum Seawall project in South Korea has a total scope of 2.1 GWp and is as such expected to be the largest floating solar project in the world. It will be built in brackish water at an exposed location with relatively large waves and strong winds. As such, the Ocean Sun technology is well positioned to take a large portion of the total scope.

Due to Covid-19 there are delays from the Saemangeum government agency and no further contracts have been signed. However, Ocean Sun is positioning for upcoming tenders by establishing a local supply chain.



Project update

In June 2019 Ocean Sun commissioned a 220 kWp pilot system for SN-Aboitiz Power (SNAP) on the Magat Dam. SNAP is a joint venture between SN Power (now Scatec) and local energy producer Aboitiz Power.

After being operative for one and a half years, the pilot has gone through two typhoon seasons and performs as expected. SNAP's CEO, Joseph Yu, recently announced that SNAP view the pilot as a success and that it has expansion plans for floating solar. In the first phase they are investigating an expansion of 67 MWp on the Magat reservoir, with potential further expansions on other locations¹.

Also, Scatec have made positive announcements regarding the potential of floating solar².

- 1) Joseph Yu, CEO of SNAP, Manila Standard ([link](#))
- 2) Scatec Fourth quarter 2020 presentation available [here](#)



Region overview

EMA – Covered by Oslo office

- Main focus on Europe with several large Norwegian and European leads with a global footprint
- Few current FPV installations in Europe, large interest in southern part

SE Asia + Oceania – Covered by Singapore office

- Large interest in FPV from Asia Development Bank and the governments of Philippines, Vietnam, Laos, Thailand
- Ocean Sun is well established in the region with local demonstration systems and possibility to withstand strong winds

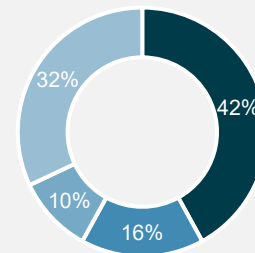
NE Asia – Covered by Shanghai office

- NE Asia accounts for 90+% of total installed FPV capacity, China ~60%
- China, South Korea and Japan has relatively large spread of FPV and will remain key markets going forward
- Ocean Sun focus on reliable partners/leads

Americas – Covered by Oslo office

- Hot market in South America, especially Brazil, Colombia and Mexico
- Discussions with state owned utilities and large power users
- Hydro/Solar opportunity especially strong in Brazil

Leads per region



65+

leads

5+GWp

Pipeline value

Nenad Keseric joins Ocean Sun as Chief Operating Officer (COO)



About Nenad

- PhD degree in Energy Economics from Vienna University of Technology (TU Wien)
- 15 years experience in the energy industry
- Operations manager of onshore wind and the Hywind- world's first floating wind turbine in Equinor (Statoil)
- Board Member at the Marine Energy Test (MET) Centre at Karmøy, representing Equinor since 2012
- Leading development of regional offices and large projects within major international energy companies - Statkraft, Norway and Verbund, Austria



Other developments

As previously communicated Ocean Sun's **patents** are already approved in countries such as the US, UK and Norway. It has now also been **accepted in Chile and by the Eurasian Patent organization**.

Ocean Sun has **hired Dr. Nenad Keseric as its new Chief Operating Officer (COO)**, from 1st of May. The current COO, Alexander Telje will take on the position as Chief Commercial Officer.

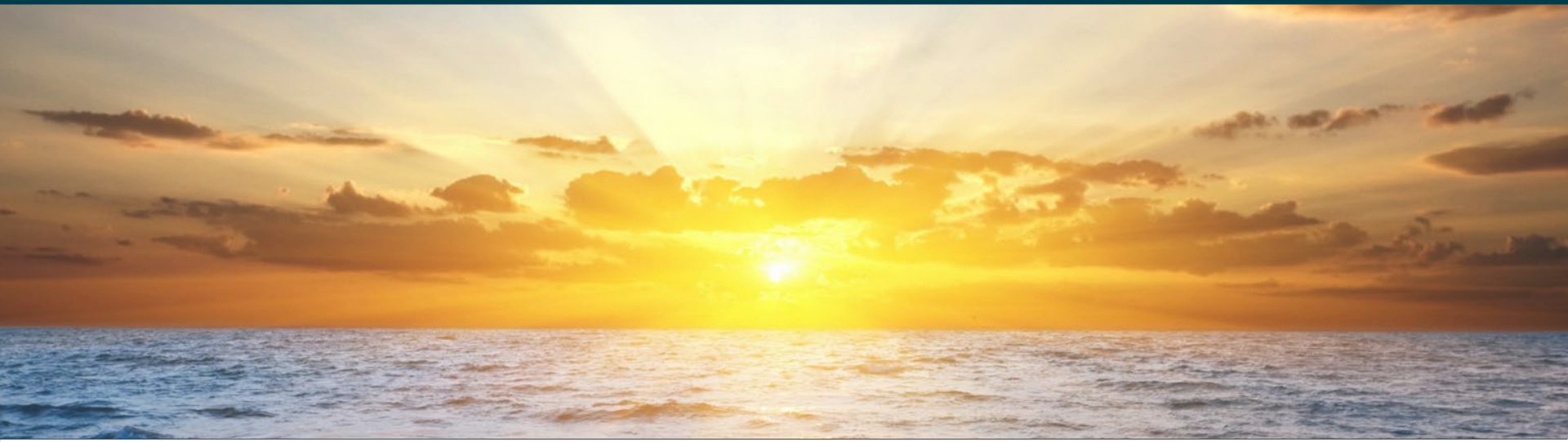
Ocean Sun has been awarded as **one of three finalists** in DIGITALEUROPE's future unicorn award 2021.

After studying Ocean Sun's system outside Skaftå Norway, scientists at the **Institute of Energy Technology (IFE) have quantified the cooling effect** provided by Ocean Sun's FPV system due to the direct contact with water. IFE found that Ocean Sun's water-cooled solution had on **average 5-6% higher yield compared to the pontoon-based design** and that the additional **yield increase to more than 10% in periods with high irradiance**.

Ocean Sun experience a **significant market pull for its technology** and have added many new leads to its pipeline with opportunities in Europe, the Philippines, South America and China.



Outlook and priorities



Protect & Maintain IP



Continuous Development



Global Partnerships



Large customers



Revenue from license & partnerships

Financials

- Profit and loss
- Balance sheet
- Cash flow
- Equity statement

Income Statement

| | Unaudited 01.10 – 31.12.2020 | Unaudited 2020 | 2019 |
|----------------------|------------------------------------|-------------------|-----------------|
| NOK'000 | | | |
| Sales | 428 | 1 146 | 1 917 |
| Contributions | 1 069 | 4 983 | 6 312 |
| Total revenue | 1 497 | 6 129 | 8 228 |
| COGS | (1 285) | (2 945) | (8 167) |
| Gross profit | 213 | 3 184 | 61 |
| Personnel expenses | (2 367) | (8 477) | (8 048) |
| Other OPEX | (1 544) | (5 390) | (3 153) |
| EBITDA | (3 698) | (10 682) | (11 140) |
| Depreciation | (4) | (15) | (8) |
| Net financials | (2) | 104 | 115 |
| Net income | (3 704) | (10 594) | (11 034) |

For accounting principles, please refer to Annual report 2019.

Please note that Ocean Sun has changed the classification of patent costs and costs associated with subsidiaries from COGS to Other OPEX in 2020.

Comments to income statement

Total revenue amounted to NOK 1.5 million in Q4 and NOK 6.1 million in the full year 2020, of which NOK 5 million related to R&D contribution from Innovation Norway and The Research Council of Norway. Sales of ~1.1 million in 2020 related to final payment of SN Power installation and first payment for Statkraft installation.

Both sales and COGS were down on a like-for-like basis in 2020 compared to 2019, which is a result of Ocean Sun's shift towards a license-based revenue model (as compared to selling a power plant).

Personnel expenses is the main cost driver. In Q4 as well as large parts of 2020 the personnel force consisted of 6 employees in Norway as well as 2 employees in Singapore and China, which costs are included in Other OPEX.

Balance sheet

| NOK'000 | Unaudited | |
|-------------------------------------|----------------|---------------|
| | 31.12.2020 | 31.12.2019 |
| Assets | | |
| Office equipment | 56 | 36 |
| Investments in subsidiaries | 280 | 30 |
| Total fixed assets | 336 | 66 |
| Accounts receivables | - | 11 |
| Other receivables | 6 607 | 4 714 |
| Cash and cash equivalents | 94 883 | 14 510 |
| Total current assets | 101 489 | 19 234 |
| Total assets | 101 825 | 19 301 |
| Equity and liabilities | | |
| Total equity | 100 096 | 14 998 |
| Accounts payable | 639 | 757 |
| Public duties payable | 118 | 400 |
| Other short-term liabilities | 973 | 3 145 |
| Total current liabilities | 1 729 | 4 303 |
| Total liabilities | 1 729 | 4 303 |
| Total equity and liabilities | 101 825 | 19 301 |

For accounting principles, please refer to Annual report 2019.

Comments to balance sheet per 31.12.2020

Following the successful private placement of NOK 100 million in October, cash and cash equivalents amounted to ~95 million as per 31.12.2020, of which NOK0.7 million was restricted cash.

Equity ratio amounted to 98.2% and the Company had no interest-bearing debt. Other short-term liabilities consisted of provisions for personnel expenses.

Other receivables included receivables for material purchased on customers behalf as well as accrued revenue related with R&D projects.

During 2020, Ocean Sun established a Chinese subsidiary and invested NOK 250 thousand of share capital.

Cash flow statement

| | Unaudited 01.10 - 31.12.2020 | Unaudited 01.01 - 31.12.2020 | 01.01 - 31.12.2019 |
|---|------------------------------------|------------------------------------|-----------------------|
| NOK'000 | | | |
| Net income | (3 704) | (10 594) | (11 034) |
| Depreciation | 4 | 15 | 8 |
| Change in accounts receivables | 735 | 11 | (11) |
| Change in accounts payables | 314 | (119) | 102 |
| Change in other operating assets | (5 837) | (2 708) | (1 173) |
| Cash flow from operating activities | (8 488) | (13 395) | (12 107) |
| Cash flow from investing activities | (16) | (284) | (75) |
| Cash flow from financing activities | 93 674 | 94 052 | 1 639 |
| Net cash flow in the period | 85 171 | 80 373 | (10 543) |
| Cash and cash equivalents at the beginning of the period | 9 712 | 14 510 | 25 052 |
| Cash and cash equivalents at the end of the period | 94 883 | 94 883 | 14 510 |

For accounting principles, please refer to Annual report 2019.

Cash development 01.10 - 31.12.2020

Cash flow from operations amounted to ~-8.5 million NOK in Q4'20, primarily as a result of negative net income and prepayments made for material purchased on behalf of a customer.

Net proceeds from the private placement amounted to ~94.7 million after deduction of transaction fees.

Total cash and cash equivalents as per 31.12.2020 amounted to ~NOK 95 million. The cash position of the company is sound.

Changes in equity (Unaudited)

| NOK'000 | Share capital | Share premium | Other Equity | Retained Earnings | Total |
|----------------------------|----------------------|----------------------|---------------------|--------------------------|----------------|
| At 1st of January 2020 | 384 | 32 403 | (6) | (17 783) | 14 998 |
| Profit/Loss for the period | - | - | - | (10 594) | (10 594) |
| Share capital increase | 66 | 101 950 | - | - | 102 017 |
| Costs for capital increase | - | - | (6 326) | - | (6 326) |
| At 31 December 2020 | 450 | 134 354 | (6 331) | (28 377) | 100 096 |

For accounting principles, please refer to Annual report 2019.

Appendix

- Share information

About the Share

Ocean Sun is since 26th of October 2020 listed on Euronext Growth Oslo under the ticker OSUN. The listing price for Ocean Sun was NOK 18 kr per share and the price as of 31 December 2020 was NOK 48.5 kr per share.

The Company has 44,986,200 outstanding shares. The share capital as of 31st of December 2020 amounted to NOK 44,986 kr.

Contacts

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Financial calendar

| Event | Date |
|---------------------|------------|
| Annual report 2020 | 07.04.2021 |
| Q1 report | 11.05.2021 |
| AGM | 20.05.2020 |
| Q2 Report/half year | 19.08.2021 |
| Q3 Report | 09.11.2021 |
| Q4 report | 10.02.2022 |



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