

CASE STUDY

Scottish Sea Farms



The Customer



Scottish Sea Farms specializes in farming Scottish Salmon in a sustainable way. The company is based in Stirling and South Shian, Argyll and has farms all around Scotland, from the Shetland Islands to the Orkney Islands, in and around Oban and the Highlands.

<https://www.scottishseafarms.com>

Scottish Sea Farms Problem Statement

Scottish Sea Farms wanted a lighting and security solution in their car park and main entrance area. The customer wanted a solution that would fit with their sustainable approach and help reduce their carbon footprint.

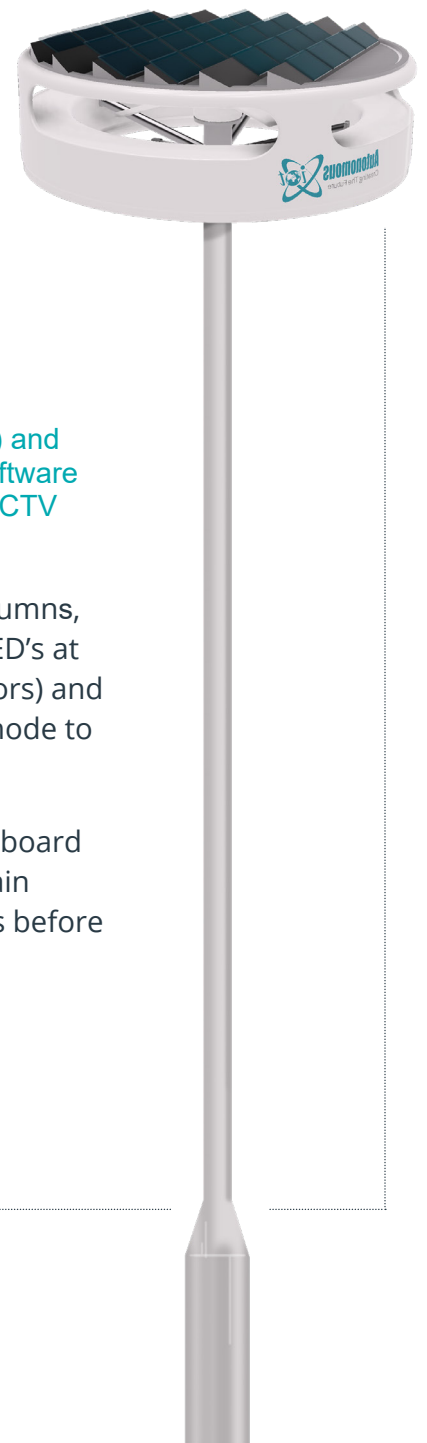
Autonomous IoT | Solution

The Autonomous IoT design team, worked closely with Scottish Sea Farms on their requirements.

The Autonomous IoT solution consisted of **eight AIOT-S-C4 (LED) and one AIOT-S-C4 (LED & CCTV) intelligent lighting products** with a software dashboard to assist with existing lighting and to provide additional CCTV coverage.

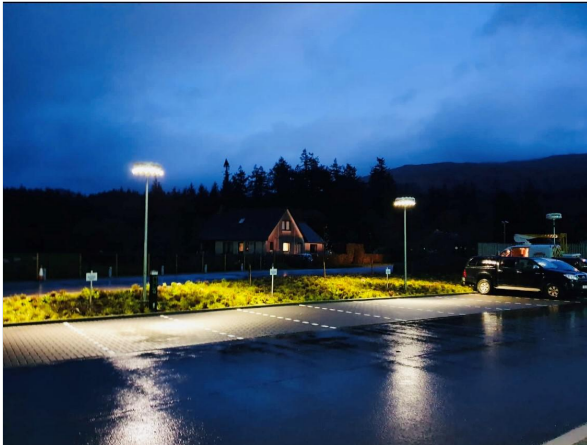
The grid connected security solution was installed on existing columns, configured to work on motion detection which illuminated the LED's at full intensity when motion is detected (via the unit's built in sensors) and when no motion is present will reduce the intensity to standby mode to conserve energy while still providing sufficient area lighting.

The AIOT-S-C4 unit has 4 built in IP Based CCTV cameras with on board storage to view 360-degree coverage to cover the front of the main building, entrances and car park areas. Recordings last for 7 days before overwriting and can be retrieved via Wi-Fi locally.

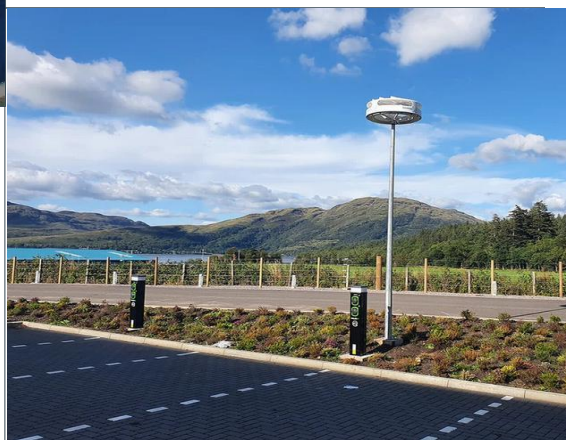


Customer Results

Scottish Sea Farms are delighted with the Autonomous IoT units and how they fit with their sustainable approach and help them reduce their carbon footprint. The units also provide excellent lighting and security to their car park area and entrance to their premises.



360-degree coverage nighttime



Daytime Picture

Product Model No. AIOT-S-C4
(with IP 4xHD cameras, WIFI, 4G Router),
Customer Dashboard

Solar - 56W p-p , Turbine- 300W @ 10ms
Battery - 70Ah, 840Wh Lead Crystal
Lighting - 5700 Lumen, 15 LED Array

"At Scottish Sea farms we take pride in our sustainable approach to Salmon Farming and the Autonomous IoT units are assisting us with this by reducing our carbon footprint and helping us reach our Net Zero goals. The units also look great and provide our premises with excellent lighting and security".

Jim Gallacher, Managing Director



About Autonomous IoT

Within our tailored R&D and manufacturing base in Central Scotland our dedicated team of innovators, businesspeople and support professionals combine the latest technologies and systems to produce innovative, environmentally conscious products powered by the sun and wind. Reducing our carbon footprint and helping to address climate change and environmental damage are key drivers in our product development.

By harnessing solar and wind power our core product is able to provide LED street lighting, managed by a smart controller, and integral wireless surveillance and monitoring services as additional features. The autonomous design of our product opens up an extendable platform for applications such as: communication; smart-city connectivity; emergency alert systems; utility power access; electric transport charging; analytics and many more developing and future technologies.

For more details and to find the ideal solution for you:

Call us on 0800 689 1041

or go to our website: autonomous-iot.com
and click on Ask Autonomous