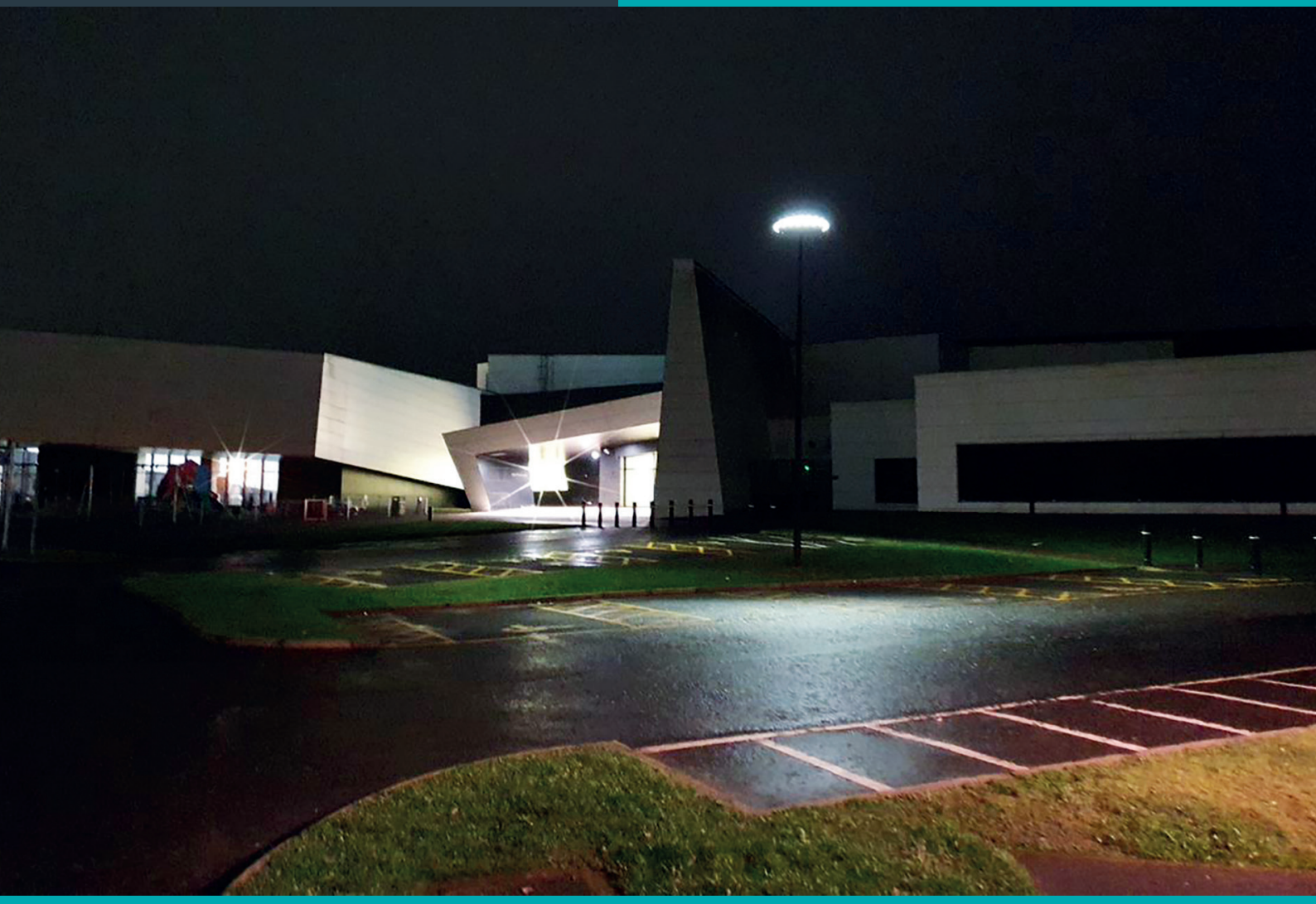
Autonomous iot™
Creating The Future

CASE STUDY

ON-X Renfrewshire Council

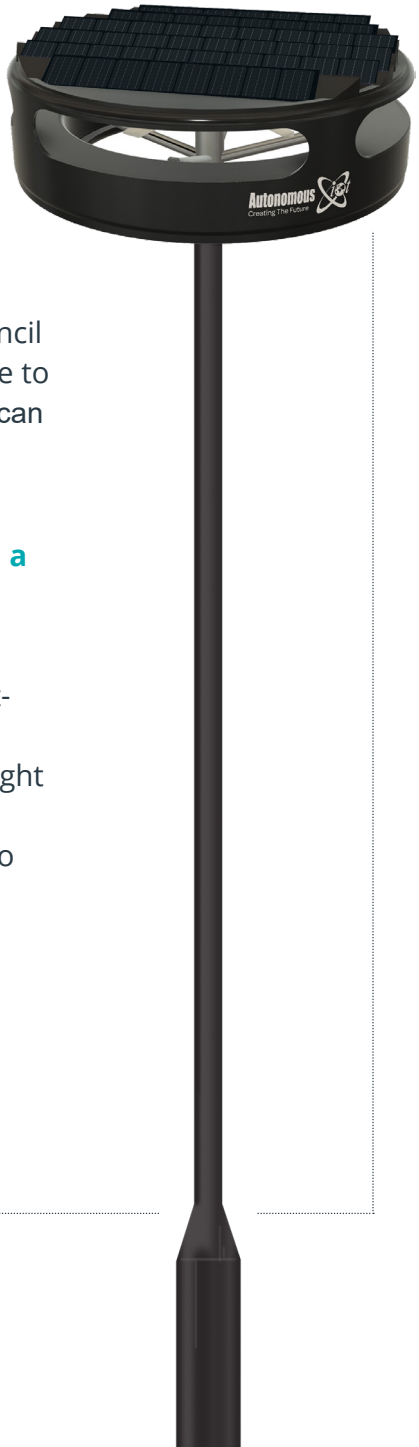


The **Customer**

ON-X (Linwood Sport & Community Centre)
offers access to modern high quality leisure facilities.

ON-X Renfrewshire Council: **Problem Statement**

Renfrewshire Council sought to improve the lighting and security at ON-X main entrance and car park by replacing the 290 watt high pressure sodium lamps in situ at the main entrance. The customer was looking for a solution that would compliment their environmentally friendly strategy and assist them in minimizing their carbon impact.



Autonomous iOt: **Solution**

The Autonomous iOt team worked closely with Renfrewshire Council on their requirements. The client requested a black colour scheme to fit in with the infrastructure on site. Our intelligent street platforms can be made into any colour to suit the client's needs.

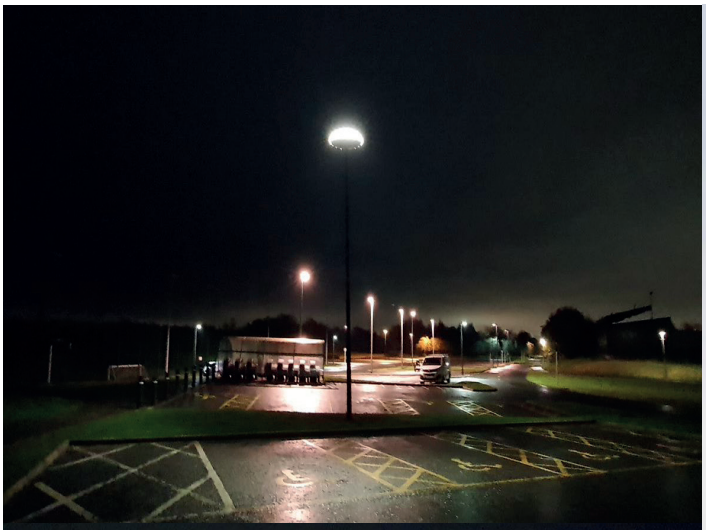
The Autonomous iOt solution consisted of **one AIOT-V intelligent street platform (LED Lights) intelligent lighting products with a software dashboard to assist with existing lighting.**

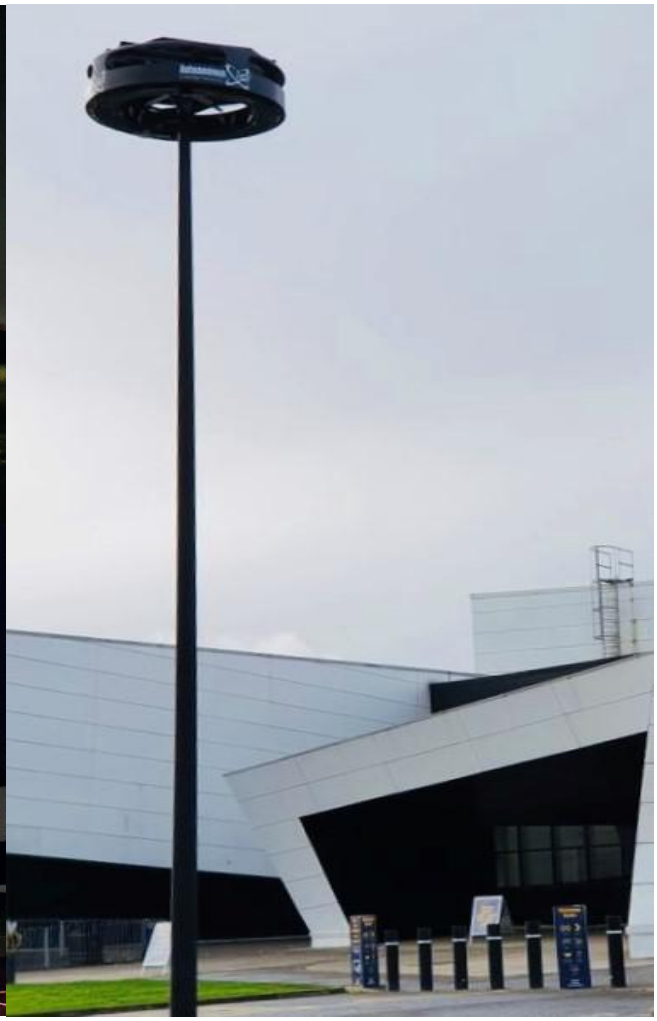
The grid-connected security solution was installed on an existing column and configured with the LEDs at full intensity during night-time hours and off during daylight hours. Saving energy while providing excellent lighting to the area. As the LEDs are used at night our custom solar panel will recharge the battery during the day and combined with the built-in wind turbine, this will be enough to recharge the battery daily.

The AIOT-V intelligent street platform has the option of having 4 built in IP Based CCTV cameras with on-board storage to view 360-degree coverage. Recordings last for 7 days before overwriting and can be retrieved via Wi-Fi locally.

Customer **Results**

Renfrewshire Council is delighted with the Autonomous iOt intelligent street platform and how it compliments their environmentally friendly strategy and helps them cut their carbon footprint. In addition, the unit give's superb illumination to the main entrance and car park of ON-X.





Product Model No. AIOT-V-C
(WIFI, 4G Router), Customer Dashboard.

Solar – 94W p-p , Turbine- 300W
Battery – 70Ah, 840Wh Lead Crystal C10
Lighting – 7200 Lumen, 20 LED Array

"The Autonomous iOt's intelligent street platform look's great and is already saving Renfrewshire Council both carbon and money. This sophisticated hybrid lighting with solar, wind turbine and the option for CCTV surveillance is the future and will assist us in reaching our carbon neutral goal."

Craig Doogan, Energy Team Leader, Renfrewshire Council.

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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; 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