



**RADIO
FREQUENCY
SYSTEMS**

Case Study

RFS Cable Made with Green Energy

RFS Factory, Suzhou, China

As we continue to feel the impact of global warming and the need to tackle Net Zero targets more aggressively increases, at RFS, we are committed to investing in ways to reduce our carbon impact. As a leading designer and manufacturer, this spans developing greener products, minimizing the impact of our logistics, and improving the efficiency of our operations worldwide. This includes a major upgrade to our factory in Suzhou to significantly reduce dependence on fossil fuel energy.

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The Project: Suzhou Solar Energy

In 2023, RFS undertook a major project to deploy solar panelling on the roof of the RFS Suzhou factory. Roof space of 16,000 square meters, equivalent to approximately 40 basketball courts, has been fitted with solar panels with the ability to generate 1.49MW of power. The solar panels selected have strong shading tolerance and comprehensive LiD and LETID mitigation technology that results in 50% lower degradation to ensure the longevity of the installation.

The Impact

Annual Power Generation

- **Estimated Generation:** 1.35 million kWh per year
- The scale of the installation allows the project to generate a significant amount of sustainable energy year on year.

Coal Saving and Environmental Impact

- **Estimated Annual CO2 Saving:** 1346 Tons
- The reduction in CO2 emissions dependence is a significant step towards Net Zero for RFS and part of an overarching climate ambition strategy.

Connection to State Grid

- **Grid Connection:** The project was successfully connected to the state grid for power generation at the end of January 2024.
- This allows any surplus energy to be used beyond the Suzhou factory, extending the positive environmental impact of RFS.

Sustainable Energy Use

- Since going live, the solar panel installation has allowed RFS to make solar energy its largest electricity source.

The Conclusion

The Suzhou factory produces more than 15,000 km of cable and 2.5 million units of factory pre-assembled RF jumpers per year to serve thousands of customers across the globe. The success of this deployment demonstrates how to successfully implement renewable energy and sustainable practices in the manufacturing sector and significantly reduce environmental impact. The solar panel project at the RFS Suzhou factory represents a milestone in the company's journey towards sustainability and we look forward to continuing to deliver further initiatives as we move towards Net Zero.



Lifetime Connectivity

At RFS we specialize in the design and manufacture of premium, future-ready cable solutions for customers across the globe. With over 120 years of heritage in the industry, we build reliable and long service life connectivity systems. **Because we care about our collective future.**

- We design innovative cable solutions that deliver best-in-class connectivity while tackling network pain points and offering a lower Total Cost of Ownership.
- We bring passion and expertise at every stage, from R&D to installation, to meet our business partners' expectations.
- We deliver the communications foundation for digital transformation across a range of industries including oil & gas, mining, and rail.
- We are changing the perception that all cable is created equal and demonstrating the potential of premium solutions.
- We offer a dynamic and stimulating working environment that promotes diversity and fosters personal and collective accomplishments.
- We are committed to sustainability with greener manufacturing processes and designing long-life equipment with low-energy consumption to support our customers' climate goals.