

Coventry City Council

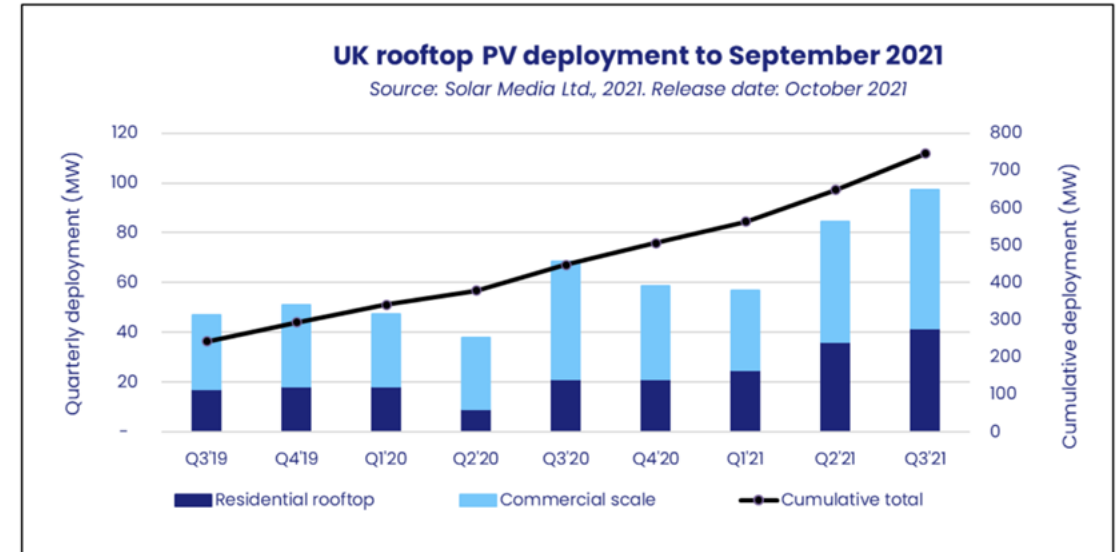
Powering a sustainable future

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Why Solar?

- **Cost competitive** – Solar is the cheapest form of electricity.
- **Fast** - deployment can be undertaken at speed which is needed.
- **Renewable** – Once installed solar is a renewable generating asset estimated to last for decades.
- **Decentralised** - power to the people who can own and operate solar power plants!
- **Potential** - if every available rooftop was equipped with solar panels, they could generate enough electricity to power the world.



“Rooftop solar has two unique attributes that set it apart from other forms of renewable energy generation: fast deployment, and decentralised citizen-driven uptake. These attributes lend it specific advantages over other renewable generation technologies,” (Siddarth Joshi, 2021)

Coventry City Council Solar Programme

- Coventry City Council appointed Ineco Energy to deliver a solar PV programme installing **5000+** solar panels across **41** Coventry City Council sites to achieve ambitious carbon reduction strategy.
- The programme total's **2.1 MWp** of rooftop solar generating **1,840 MWh** of electricity delivering **£276,000** in financial savings per year and **£million's** over the lifetime.
- The project is funded by a combination of Public Sector Decarbonisation Scheme (**PSDS**) and European Regional Development Fund (**ERDF**) grant funding.



Case Study: Wyken Croft Primary School

Electricity data is based on historic data with forecasts likely to rise.



£39,053 worth of solar power generated annually.



£18,212 estimated annual energy savings to school.

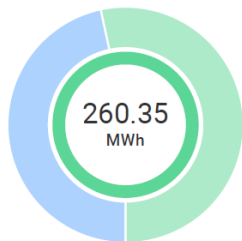


48% of the schools electricity use powered by the sun!



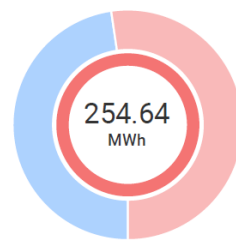
SYSTEM PRODUCTION

- Total Production - 100 %
260.35 MWh
- Self-consumption - 47 %
121.41 MWh
- Export - 53 %
138.94 MWh



CONSUMPTION

- Total Consumption - 100 %
254.64 MWh
- Self-consumption - 48 %
121.41 MWh
- Import - 52 %
133.23 MWh



SYSTEM OVERVIEW

776 PV modules

3 Inverters

388 Optimizers

Results so far...

Wyken Croft Primary School,
Coventry,
901 pupils,

Daily Results - 21st September 2021

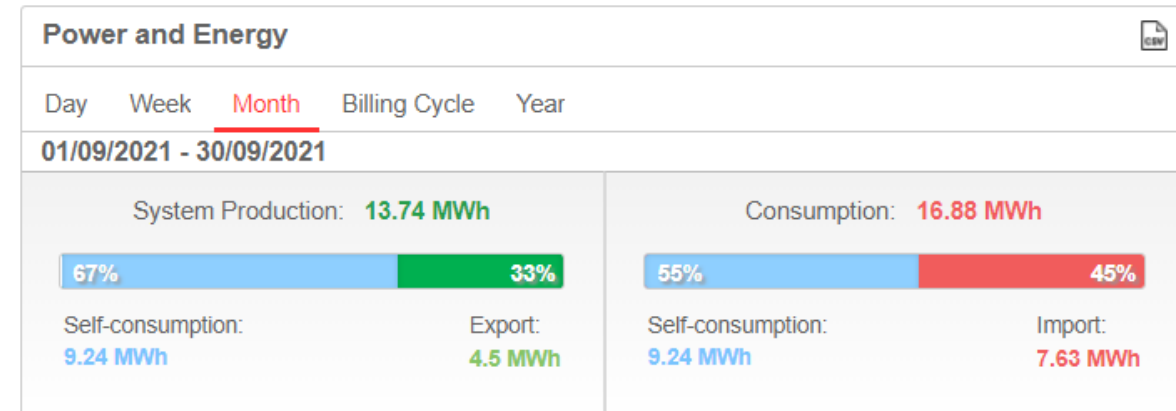
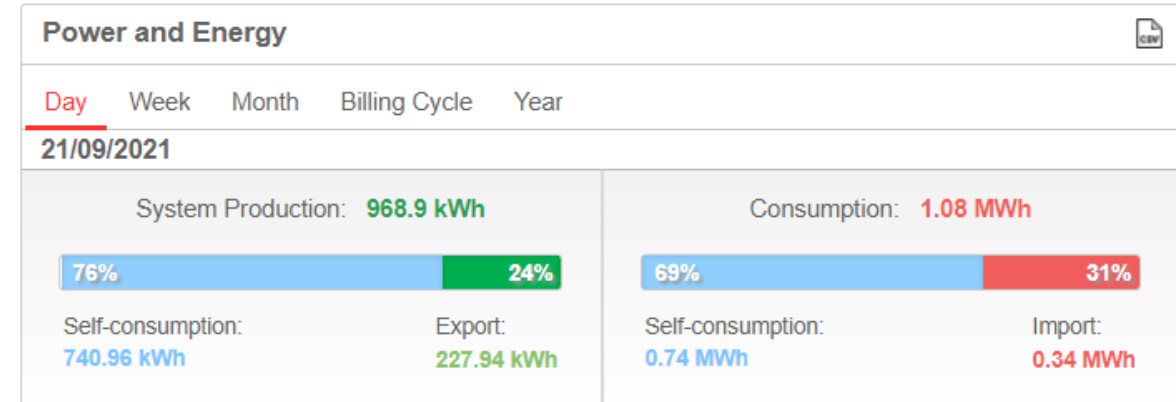
☀️ Solar power provided **69%** of the school's electricity! ☀️

- **£111** of Solar savings generated
- **£51** of grid supplied electricity required
- **£34** worth of electricity sent to the grid

Monthly Results - September 2021

🌍 Solar power provided **55%** of the school's electricity! 🌍

- **£1,386** of Solar savings generated
- **£1,144** of grid supplied electricity required
- **£675** worth of electricity sent to the grid



Wyken Croft Primary School

ineco
ENERGY



Contact Us



If you have any questions, please do not hesitate to contact:

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