

## CRAWLEY, UK

/ Energy management strategy fulfilled by solar energy solution



/ As part of their energy management strategy, Crawley Borough Council have installed multiple PV systems across their estate and sought a suitable system for the third party managed Hawth Theatre. Fronius Service Partners, SAS Energy, were awarded the tender by the council to install this 47.32 kWp solar system which provides 8% of the total electricity requirement of the theatre.

/ The installation, designed by SAS Energy, maximised the available roof space whilst ensuring high standards of installation, good aesthetics and high yields plus the flexibility of the Fronius Symo series meant that 3 complex arrays could be used with the same inverter range. The PV system is connected to the theatre's IT network via a Fronius Datamanager card which allows the inverters to communicate with the free monitoring tool Fronius Solar.web. This tool shows the systems energy production data and system status.

/ Mike Pidgeon, Facilities Manager for Crawley County Council comments, "We are very pleased with both the look and performance of the new system and find the information available via the Fronius system very useful. We would certainly use the system again on future installations."



/ Fronius Solar.web energy production chart



/ Fronius Symo inverters

INSTALLATION DATA	
Size of installation	47.32 kWp
Purpose, system type	Theatre, roof mounted
Module type and area	182 Trina Solar 260w Panels covering 297.9 m <sup>2</sup>
Inverter	1x Fronius Symo 10.0-3-M, 1x Fronius Symo 15.0-3-M and 1x Fronius Symo 20.0-3-M
Commissioned	January 2017
Annual yield	Approx. 50,962 kWh
CO <sub>2</sub> saved/ year	Approx. 19.3 tonnes per year
Special feature	Three PV arrays across three inverters with monitoring