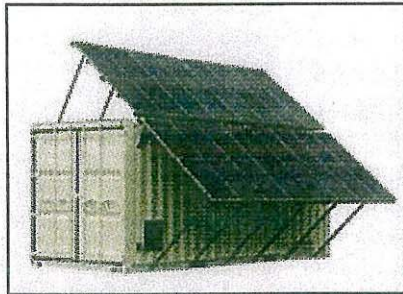


Welcome to our weekly *Newsletter Extra*
dedicated to new products and design developments.

Buildingdesign-news is emailed weekly to thousands of specifiers within the construction industry. If you would like to receive further information on any of the products featured please do not hesitate to utilise the dedicated e-mails provided.

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AVK|SEG (UK) LTD Green Energy For Telecoms



AVK & SDMO are entering the renewable energies market and introducing a concept aimed at developing the production of electricity from generating sets combined with a renewable energy and energy storage batteries. Christened HYBRID SOLUTIONS, the project will concentrate, initially, on photovoltaic energy and will target the world telecommunications market.

Why Telecoms? Our long experiences of the telecoms sector has led us to make the following finding: in isolated sites, BTS (Base Station Transmitters) for GSM antennas are, often, equipped with overdimensioned generating sets, which cause high fuel consumption, high levels of polluting emissions, as well as considerable operational costs, for a relatively short lifetime (5 years on average).

A new, more ecological solution To overcome these considerable costs, and to face up to the growing demand for sustainable solutions, AVK & SDMO are positioning themselves on this market and proposing a hybrid solution: the supply of energy thanks to the combination of a renewable energy and a fossil energy. The concept will be adaptable and rated, depending on power needs and geographical location. This "new generation" solution, combined with the efficiency of the AVK & SDMO sales and services network with its experience of its engineering department, guarantee an expected success!

A prototype installed on the KII site in Brest The first prototype, installed on the square of the Kergaradec II factory, in Brest, appeared during the summer. This prototype must serve as a "showroom" for visitors and partners interested by the concept. It will make it possible, to carry out tests aimed at validating the system's operating principle, and at understanding the interactions of the various component elements.

The concept All the elements (solar panels, bank of batteries and generating sets, essential for the autonomy they give the system) will be rated on the basis of the number of days' autonomy desired by our customers (2 to 7 days on average) and on the basis of the input covered by solar energy. They will be controlled by the Smart Energy Centre which will ensure the correct distribution between the various energy inputs and will enable the customer to manage the plant remotely.

The HYBRID SOLUTIONS turnkey product will meet the needs of telecoms operators located. In particular, in Africa and in the Middle-East (regions with high sunshine hours): whilst reducing their operational costs, and have at their disposal reliable facilities guaranteeing the continuity of energy production on site.