



## **United Nations** Framework Convention on Climate Change

### **Redavia: Rental Solar Farms | Multi-regional**

In remote locations, large-scale diesel generators are usually the most convenient way to generate electricity. But with rising energy costs and increased concern about carbon emissions, the market is hungry for alternatives.

Solar panels traditionally require a significant up-front investment and a long-term pay-back period, but what if you could rent them short term? [Redavia](#) leases cost-effective, convenient and clean solar farms without up-front capital investment or long-term obligations. The farms in turn reduce consumption of diesel fuel by generators, improve access to electricity and reduce emissions and power costs in communities around the world.

#### **The problem**

While large-scale diesel generators are a convenient way to generate electricity in remote locations, diesel fuel has recently become prohibitively expensive. On top of that, diesel fuel prices are likely to increase further in the coming years and the emissions from diesel engines are both a local health hazard and a global environmental risk. Diesel power users are looking for a way to reduce diesel power costs and emissions with a cost-effective, clean and convenient alternative.

#### **The solution**

Redavia's Fast Track Solar (FTS) system is a solar photovoltaic power system designed for hybrid operation with diesel generators in remote locations. At the core of the system is a pre-assembled, ground-mounted solar PV block. This block is factory-assembled, shipped to the remote location and assembled on-site. The FTS system is 85 per cent faster, with 85 per cent less manpower, than standard solar power systems. Once operational, Redavia's FTS runs in parallel with existing diesel generators, replacing diesel power during daytime. Besides reducing emissions, rental solar power is 20 to 40 per cent cheaper than diesel generator power, thereby enabling faster economic development of local economies.

#### **Contact**

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