

Inaccess, Worldwide

Networking Solution for Solar Plants Worldwide: Transition Networks' Industrial Ethernet Switches Provide Accurate and Robust Networking Solution for Solar Plants Worldwide

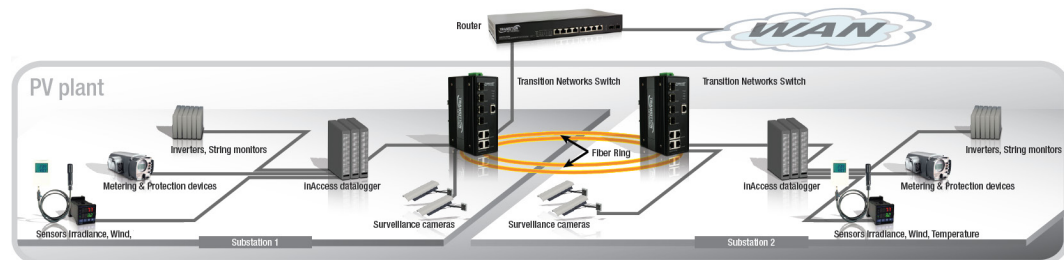
Company Type: Enterprise

Headquarters: London, UK

Transition Networks Product Deployed: SISTM101x-1xx-LRT: Managed Hardened Switch

Customer Overview

Inaccess is a leader in providing turnkey solutions for remote site management in the enterprise sector with special applications for renewable energy plants and telecom operators. In response to the growth and unique requirements of photovoltaic (PV) power stations and solar parks around the world, the company developed the inSolar photovoltaic (PV) plant management solution. The inSolar monitoring solution provides centralized management for multiple geographically distributed solar plants and, since 2008 has been deployed and is in operation in solar plants with a combined capacity of several hundred megawatts (MWp) throughout Europe, Asia and the United States.



The inSolar Solution

InSolar is an integrated, vendor-independent solution for managing multiple medium to large scale PV parks. The inSolar solution allows for real-time management of geographically distributed solar parks through a common control center and internet portal in accordance with the IEC61724 standard. Features include production monitoring to minimize downtime and maximize performance and profit, grid interconnection to identify output power quality characteristics, physical security and safety detection of the solar park and shelters, and operational failure diagnosis and instant notification.

“While ring redundancy and SNMP management features positioned the SISTM101x-1xx-LRT in front of alternatives, reliability was our main concern and contributing factor leading to the selection of Transition Networks for the inSolar solution.”

— Vassilis Nellas, Inaccess' Director of Product Management

The feature-rich inSolar monitoring system relies on an accurate and robust local networking solution to interconnect the control center with peripheral substation monitoring equipment in the field. To ensure durability and precision, Inaccess selected the SISTRM101x-1xx-LRT industrial Ethernet switches from Transition Networks. The more than 350 utility scale solar plants currently utilizing the inSolar solution have been built and operate on fiber-optic networks and [industrial Ethernet switches from Transition Networks](#).

Transition Networks' SISTRM101x-1xx-LRT 8-port managed industrial Ethernet switch protects the critical communication needs of the PV plant management system by incorporating redundant copper or fiber links with switching recovery times of less than 300ms for increased reliability and system uptime. The SISTRM101x-1xx-LRT can also be SNMP managed via a web browser to configure all of the latest advanced industrial networking capabilities required to support the inSolar monitoring solution.

Additionally, Transition Networks' industrial switches are hardened devices designed to reliably operate in harsh environments and are suitable for use in extreme temperatures like those faced in outdoor equipment cabinets. Backed by an unsurpassed Lifetime Warranty, Transition Networks industrial switches provide assurance that safe and reliable operation of your industrial network lasts as long as your plant.

About Inaccess

Established in 2000, Inaccess specializes in the design, development and supply of monitoring and control solutions for the telecommunications and renewable energy markets. Inaccess' solutions range from specialized controllers to software platforms designed with high availability standards, optimized for the operation of multiple connected systems. Customers and partners of Inaccess include telecom operators, power producers and integrated solution providers.

Inaccess has European offices in London, UK and Athens, Greece, in addition to a San Jose, CA office located in the United States. For more information, visit www.inaccess.com.

About Transition Networks

Transition Networks, Inc. is an industry leader with over 25 years of experience designing fiber integration products that deliver the security and reliability for today's networks while future proofing for tomorrow. Offering support for multiple protocols, any interface, and a multitude of hardware platforms, including Hardened Ethernet, Carrier Ethernet, CWDM, 1G/10G Ethernet, SFPs, PoE and PoE+, Transition Networks gives you the power to deliver and manage traffic reliably over fiber in any data network – in any application – in any environment. With partners and customers in over 50 countries, Transition Networks has built a reputation as a reliable global innovator focusing on quality and customer service. Transition Networks is a wholly owned subsidiary of Communications Systems, Inc., a publicly traded company (NASDAQ-GM: JCS), and is based in Minneapolis, MN.

For more information about the Transition Networks' line of Managed Hardened Switches, please visit the www.transition.com or contact sales@transition.com.