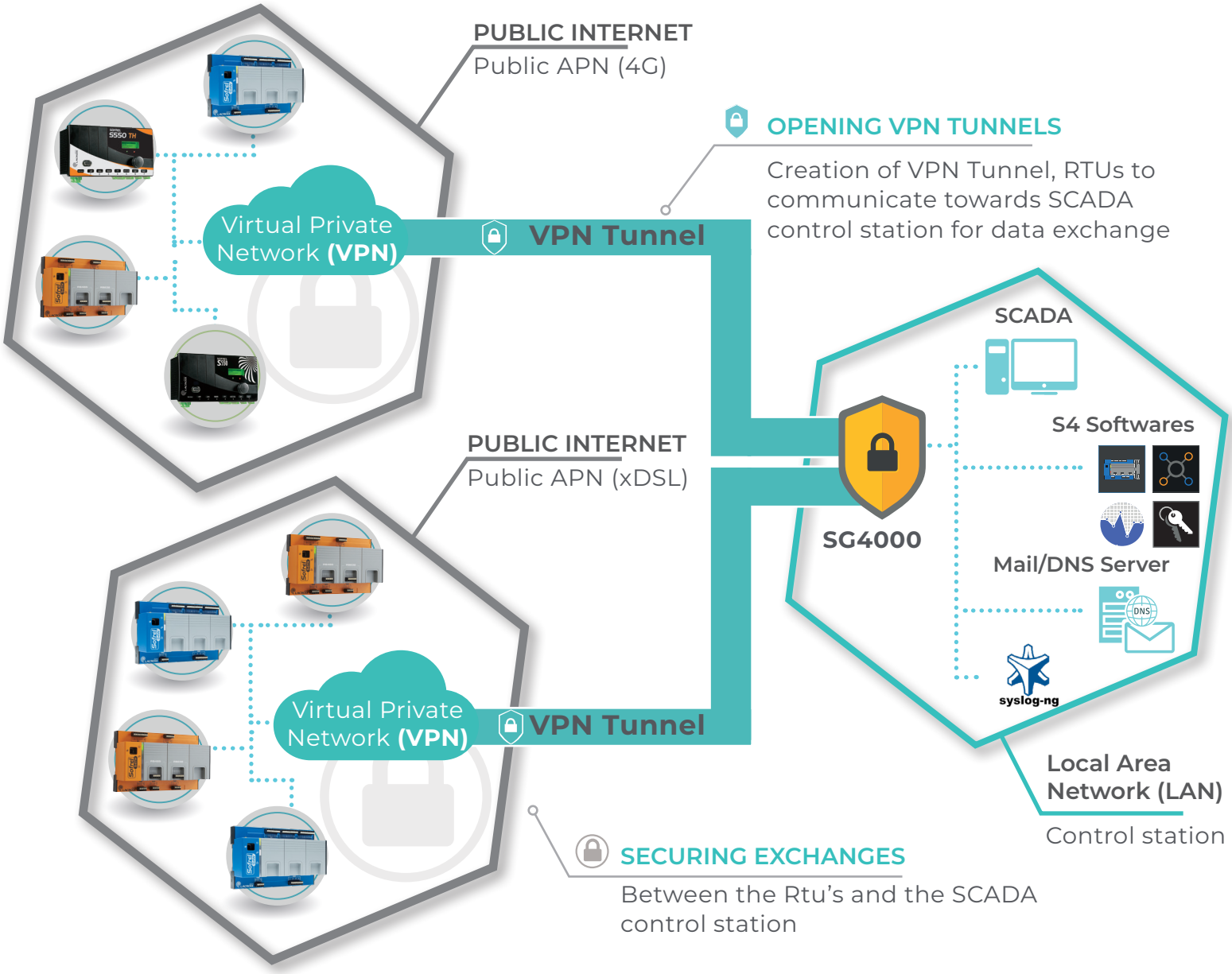
SOFREL SG4000

Providing VPN Service for SOFREL Ecosystem



MAIN FEATURES:

- Simplicity
- Data protection
- Package Deal
- Cost saving

PRODUCT FEATURES

- Secured data transmission in the public network
- RTU Static IP managment
- Firewall control
- Network status monitoring and diagnosis

BENEFITS

- Optimisation of communication costs
- Ease of implementation and usability
- Secured data exchange

LACROIX

SOFREL SG4000 - Providing VPN Service for SOFREL Ecosystem

For communications on the public Internet, the SOFREL SG4000 server is the key element in securing the ecosystem. It enables the creation of a virtual private network (VPN) on the public Internet (3G/4G or ADSL) while optimizing costs and ensuring the security of exchanges between SOFREL local stations and the network supervisor.
In order to optimize operation and communications, the SOFREL SG4000 server limits exchanges between remote equipment and the SCADA to the following functions:

Business:
- Interrogation of the local station & alarm reporting to a supervisor
- Configuration, operation of the local station
- Update of users and configurations of the local station
- Notifications from the local station to the Syslog monitoring

Network:
- Resolution of addresses by the DNS server
- Sending emails from the local station to a mail server

General	
Environnement	SG4000 Virtual Software Application
VMWare ESXI	ESXI 6.5 (OVA format)
Microsof Hyper-V	Windows Hyper-V (zip format), Microsoft Windows 10 LSTC or Microsoft Windows Server 2012/2016/2019
Capacity	Up to 400 SOFREL RTUs
Redundancy	Management of RTU in double support (xDSL-2G/3G/4G)
Security	Communication encrypted, configurable firewall
Authentication	S4W / S4TH: electronic certificates S500 / S500 TH: password
Periodical Checking	Connection checking SG4000/RTU

Network settings	
LAN Network	
IP Configuration	IP (fixed or DHCP), doman, DNS, NTP
Routing Table	IP routing, gateway IP and destination definition
Firewall	Rule and restrict data exchanges (VPN - LAN network)
VPN Network	Creation of a VPN network for RTU
Diagnosis and Operations	
Self-checking/WatchDog	Self-check and restart service if operation fault detected
RTU Connection Overview	Overview monitoring of RTU connections status
Network Analysis	Network equipment connection analysis
Operation	Tracking of in comming TCP connections in real-time
Logs	Recording the RTU events and SG4000 operation logs with timestamps
Maintenance	.Cfg importing, exporting, VPN service rebooting, program upgrading

LACROIX - Environment
2 Rue du Plessis,
35770 Vern-sur-Seiche · France

Tél : +33 (0)2 99 04 89 00
info@lacroix-environment.com
www. lacroix-environment.com

DC26-Datasheet SG4000-En-2021-05 - LACROIX Sofrel - RCS : B 409 065 810 NANTES - Any reproduction or copying of this document, even in part, is illegal without the consent of LACROIX. The same applies to translation, adaptation or transformation, arrangement or reproduction by any art or process (Articles L.122-4 and L.122-5 of the Intellectual Property Code).