

INTRODUCING

SCADASat



A Private Satellite Network Designed For All Telemetry

Client Owned VSAT Hub

SCADA-SAT places a VSAT hub at your HQ for full control of a private satellite network to any SCADA or M2M site. SCADA-SAT is designed to operate with existing TCP-IP & serial devices with real-time visibility of the telemetry at the byte level using unique diagnosing tools developed for SCADA & M2M communication. As a private satellite network external intrusion is mitigated since the satellite link is dedicated and does not touch any terrestrial network. SCADA-SAT also mitigates internal intrusion with thoughtful security controls complete with user permission rolls & rules combined with client site specific access limits. SCADA-SAT offers the highest level of intruder protection required today by industry.



Low Capital Investment & Scalability

The SCADA-SAT solution is the lowest cost for establishing a private satellite network specifically engineered for SCADA and M2M telemetry making it suitable for even small single-site installations. There will be room to grow to any size over time on the initial equipment.

Cyber Secure - Mission Critical

SCADA-SAT complies with IEC 61850 standards and AES-256 encryption and authentication and the fact that it's isolated from the Internet or any other network. A SCADA-SAT satellite network rides over a dedicated space-segment of one or more satellites for redundant fail-over reliability, including remote-site to remote-site (point-topoint) mesh type communication.



Powerful Network Management Tools

Windows based Graphical User Interfaces allow for easy network administration and diagnostic tools for SCADA and M2M telemetry.

TCP 5	Leased Line <=> GROUP 2 port 1 Font and Size GASCII C HEX Log File: Size Log File:			Clear	,
>		Millisec Ticks	+ De	code + Mark	
To/Fron	ASCII DATA	Date	Time .	Millisec	-
=>	\$00012B32FFK148C01F51C9B021C033E01A300042B1E00E329B529B501F5080Fi	2008-09-10	11:38:57	3598762936	
<=	\$2B320001FFGF20116002F00F818	2008-09-10	11:38:58	3598763249	
=>	\$00012B32FFK013201AB0127073A1C39024F1A031A03013D2669000000005DD	2008-09-10	11:38:59	3598764920	
<=	\$28320001FFPF200000005000002BDEE	2008-09-10	11:39:00	3598765295	
=>	\$00012B32FFKCE55	2008-09-10	11:39:01	3598766905	
<=	\$03030001FFGC3EB01002E0071FFI	2008-09-10	11:39:02	3598767217	
=>	\$00010303FFK124C24A405CF	2008-09-10	11:39:03	3598768811	
<=	\$03030001FFGC3FA01002E00D391	2008-09-10	11:39:04	3598769186	
=>	\$00010303FFK1D6A17FCD209	2008-09-10	11:39:05	3598770545	
	\$03030001FFGC30901002F006A8FI			3598770858	- unit

Normally VSAT suppliers do not provide any configuration or monitoring tools for SCADA and M2M communication... SCADA-SAT has byte level organized screens displaying what is actually being transferred over any site.

[RT 5] Builth Wells S_S [RT] - Signal Levels



Network oversight GUI - Health, control, permissions.

SCADA-SAT Top Features

- ▶ Integrates with existing TCP-IP & Serial SCADA M2M devices.
- Ultimate in security A closed "private" satellite network.
- ▶ Network management tools designed for SCADA & M2M.
- Low cost of entry for private satellite hub & sites.
- Scalable to any size.
- Support from Ground Control when requested.
- Multiple out of the box security tools.
- Redundant & resilient network Star & Mesh together.
- Easily upgrade from existing private wire / LTE network.
- Own and control your own network & satellite segment.

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