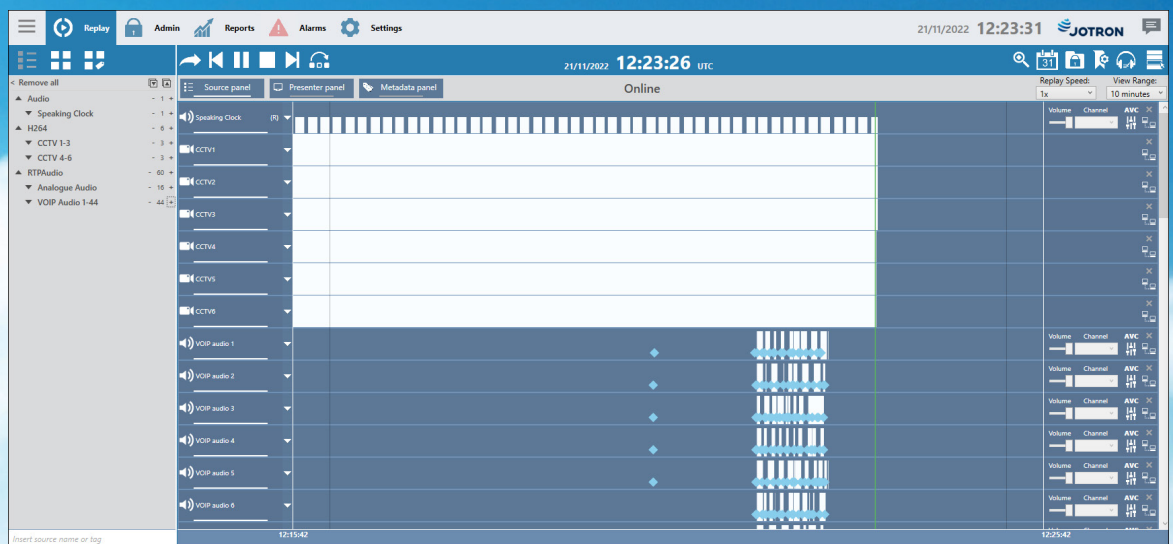


Ricochet SmartOil

Recording solution - AUDIO and CCTV



- VoIP according to ED-137
- NORSOK T-101 compliant
- Follows ICAO regulations
- Proven and reliable
- Easy to install and use



Ricochet SmartOil

About Jotron Ricochet

Ricochet is Jotron's world-leading synchronised record and replay system within the Air Traffic Control (ATC) and maritime markets. Ricochet system solutions comply with international security standards and have been in use within ATC for more than a decade.

Cyber Security

Jotron is ISO 27001 certified and all our products are designed and developed with a strong focus on cyber security.

Some of the measures Jotron has implemented in our Ricochet software are:

- Modular design to enhance security and isolation (layered structure)
- Support for encrypted data storage
- Role-based access control and authentication
- Support for encrypted communication (TLS) between front-end and back-end
- Antivirus compatible front-end and back-end
- Assisted firewall configuration
- Cryptographically signed libraries, executables and installers
- Secure monitoring through SNMP v3
- Configuration integrity validation and monitoring

Jotron offers a network of certified partners, local support and expertise to our customers all over the world.

SmartOil is designed for small onshore and offshore ATC operations. It records up to 8 analogue audio channels, 22 digital audio channels via VoIP (ED-137) and 3 CCTV cameras (up to 60 audio channels and 6 CCTV can be achieved by using 2 servers). The recorder allows an operator to install, operate, maintain and replay all recorded data.

The NORSOK T-101 compliant system offers instant synchronous replay access and integrated replay and data management.

Replay of one or more channels is done by a simple click. Ricochet SmartOil is tested, verified and integrates easily with TR-7750 and TR-810/910 Jotron radios.

At least 31 days of recorded data can be accessed online.

Technical specifications

PARAMETER	
Server	1 U server 19" by 600 mm deep communication rack
Keyboard	1 U drawer, includes; Keyboard, mouse, 18" LCD monitor
Speakers	1 U Speakers, 230 V or 110 V
Storage capacity	4 TB, 8 TB or 12 TB RAID-1 storage
Mounting hardware	Rack-mount kit with sliding rails or pre-installed in rack

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Record and replay

Hardware for audio recording

- The recorded analogue audio line connects to the RACIF-8 card with ordinary RJ45 connectors (cable not supplied)
- RACIF-8 card for interfacing up to 8 analogue channels
- External alarm output via dry relay contact

Configurations

- 53100 SmartOil 30 audio channels
- 53500 SmartOil 30 audio channels + 1 CCTV
- 53200 SmartOil 30 audio channels + 2 CCTV
- 53300 SmartOil 30 audio channels + 3 CCTV
- 53400 SmartOil 60 audio channels + 4-6 CCTV
- 53X50 Same as 53X00 with 9U rack *

Optional accessories

- 53600 Axis A/D video converter kit

Recommended spares (not incl.)

- 1 x 4 TB, 8 TB or 12 TB SATA Disk



System installation made simple!

* With the rack option, all hardware and software are pre-installed. Just connect cables to the patch panel and it's ready!