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Industrial network And communications solutions

A French company founded in **1974**, **CXR** specializes in **industrial networks**. With its **recognized expertise**, it deploys **hundreds of thousands of devices** in critical environments around the world.

The company invests in cutting-edge technologies: **Ethernet**, **4G/5G**, **TDMoIP**, **DWDM**, **MPLS-TP**, and **Cybersecurity**.

CXR relies on a **team of experts** to support its clients at every stage: expertise, consulting, training, R&D, production, logistics, technical support, maintenance, and 24/7 assistance.

CXR is proud to serve **its partner clients in 96 countries**, including major accounts and strategic players.

ISO 9001 – ISO 14001 – CSR: **Quality** of service, **sustainable development**, and **ethical** performance are key success factors for smart businesses.

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Smart Solutions for Smart Networks

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Energy

CXR Networks supports energy sector players in modernizing and securing their production, transmission, and distribution networks.

Its equipment is designed to operate in demanding environments such as electrical substations, with IEC-61850-3, HSR/PRP, and PTP-compliant solutions for synchronization and resilience.

CXR also offers IP converters to ensure service continuity in the face of PSTN obsolescence, as well as wireless solutions for remote installations.

These technologies are central to the deployment of Smart Grids.

Defense

In the Defense and Emergency Services sectors, CXR provides robust, secure communications solutions tailored to critical environments. Its equipment ensures the transmission of tactical data and voice communications via wireless, satellite, optical, or wired networks.

CXR integrates network interfaces for encryption devices, voice gateways, and secure optical converters, meeting cybersecurity and operational resilience requirements.

These solutions are designed to ensure communications continuity even in the event of infrastructure failure.





Transportation

CXR improves urban mobility by offering intelligent traffic control and passenger information systems.

By leveraging existing infrastructure, its solutions enable local authorities to modernize their transportation networks cost-effectively, while making travel more seamless, sustainable, and enjoyable for users.

These technologies adapt to local specificities and easily integrate into mobility policies, providing regions with a tailored response to the challenges of the ecological and digital transition.

Smart Cities

CXR supports the development of smart cities by offering communication solutions that improve urban connectivity.

By reusing existing infrastructure, its technologies optimize the transmission of video surveillance, public internet access, and smart equipment management, while supporting community security and digital transition projects.

Thanks to a modular and scalable approach, CXR enables regions to deploy innovative services at their own pace, while ensuring the sustainability and interoperability of their installations.





Multiplexers

They efficiently aggregate and switch low-speed data streams. Their "cross-connect" function allows for the management of individual channels, optimizing bandwidth and ensuring high availability for critical infrastructures.

[Read more...](#)



4G-5G Routers

Rugged industrial equipment, designed for mobile connectivity in demanding environments, for remote monitoring and IoT. They offer a seamless transition, with advanced security features for critical applications.

[Read more...](#)



Ethernet switch

Designed for demanding environments such as transportation, energy, and defense, they offer high reliability, enhanced redundancy, and advanced traffic management. Compatible with PoE, VLAN, and QoS standards to ensure performance and interoperability.

[Read more...](#)



Synchronization

GPS clocks, time servers, and performance testers are essential tools for critical networks such as energy, transportation, and telecommunications. Accurate synchronization and optimal reliability across multi-site infrastructures.

[Read more...](#)



Media converters

They connect Ethernet devices over different media (copper to fiber) to extend network reach. They are reliable, support various speeds (Gigabit, 10G), and are used in critical infrastructure (transport, energy).

[Read more...](#)



Ethernet extension

CXR's Ethernet Extender range extends the reach of networks across all media (fiber, copper VDSL/SHDSL, and PoE), ensuring reliable, high-speed connectivity for business and industrial infrastructures.

[Read more...](#)



IP/MPLS Routers

They enable fast, secure, and flexible traffic routing. They combine simple IP routing with powerful MPLS label transport. Ideal for converged multi-service networks, they prioritize critical flows to optimize performance.

[Read more...](#)



Cybersecurity

Firewalls, VPN solutions and network segmentation ensure the security of critical communications while easily integrating into existing infrastructures, thus providing robust and adaptable protection for sensitive environments.

[Read more...](#)

Networks