

VPN

Secure Remote Access

Encrypted remote access and site-to-site links over WireGuard, self-managed.

- [Service brochure](#)

Technology

Modern, lightweight, low-latency WireGuard

Modes

Per-device and site-to-site tunnels

Self-service

Tunnel provisioning with .conf file and QR code

Operation

Service managed and monitored by Connectra

ConnectraCloud

Managed services for mining, energy and oil & gas



SERVICE OVERVIEW

What it is for

End-to-end encrypted remote access and site-to-site links, managed by Connectra and self-administered from a single portal.

Connectra VPN provides secure remote access to your company networks through encrypted WireGuard tunnels. It is designed for remote work, scoped access for contractors and suppliers, and for interconnecting distant sites over any internet link.

It supports two modes: per-device tunnels, so each person connects from their laptop or phone, and site-to-site tunnels, to link entire camp, office and plant networks as if they were one.

WireGuard uses modern cryptography and a lightweight protocol that reduces latency and bandwidth consumption, making it especially suitable for the high-latency or satellite links common at remote operations and oilfields.

HOW IT WORKS**1****Access design**

We work with your team to define the users, sites and internal resources to reach, and the right model of per-device or site-to-site tunnels.

2**Provisioning from the portal**

Each tunnel is provisioned in the Connectra portal, which generates the peer's keys and delivers the .conf file and QR code for the device.

3**Endpoint activation**

The user imports the .conf or scans the QR code in the WireGuard app; for site-to-site, the configuration is applied to each network's router or firewall.

4**Ongoing management**

Connectra centrally manages keys, peers and routes, and monitors the infrastructure to keep the service available.

— FEATURES

Features

01

Per-device tunnels

Individual remote-work access from laptop, desktop or mobile.

02

Site-to-site tunnels

Interconnection of full networks across camps, offices and plants.

03

Self-service in the portal

Provision tunnels, download the .conf file and QR code without waiting on support.

04

WireGuard cryptography

Modern, fast encryption with low protocol overhead.

05

Satellite-link ready

Low consumption and tolerance for high latency at remote sites.

06

Central peer management

Connectra centrally manages keys, peers and routes.

07

Scoped third-party access

Grant contractors and suppliers access only to the systems they need.

08

Managed service

Connectra operates, monitors and maintains the service infrastructure.

— INDUSTRY APPLICATIONS

Use cases in mining · Use cases in oil & gas

Use cases in mining

- **Remote support for OT/SCADA networks**
Secure, scoped access for support staff to operational control systems without exposing the OT network to the internet.
- **Contractor and supplier access**
Temporary enablement of third parties only to the specific equipment or systems they must work on.
- **Camp and office interconnection**
Site-to-site tunnels that link remote camps with head offices as a single network.
- **On-site equipment support**
Remote diagnostics and maintenance of plant and mine equipment without dispatching technicians to site.
- **Technical staff remote work**
Engineers and operators securely reach internal applications from outside the mining site.

Use cases in oil & gas

- **Remote access to field control**
Secure connection to oilfield control and supervision systems without exposing them directly to the internet.
- **Supplier access to specific equipment**
Scoped enablement of suppliers to wellhead equipment or specific instrumentation.
- **Battery and plant interconnection**
Site-to-site links that join batteries, treatment plants and the head office into one private network.
- **Telemetry over satellite links**
Encrypted transport of telemetry from remote wells over high-latency satellite links.
- **Remote facility support**
Remote maintenance and diagnostics of field facilities without travel to the field.

— WHAT SETS US APART

What sets us apart

Modern, lightweight WireGuard

A low-overhead, high-performance protocol that tolerates high latency, suitable even over satellite and remote-operations links.

Self-service with QR and .conf

Your team provisions each tunnel and configures the device in minutes from the portal, with no tickets or manual support intervention.

Scoped access and central management

Grant access per device or per site limited to what is needed, while Connectra centrally administers peers and routes.

— BENEFITS

- Enables secure remote work without exposing services to the internet.
- Reduces the attack surface by scoping each user's and site's access.
- Up and running in minutes with self-service and QR codes.
- Higher performance and lower consumption than traditional VPNs.
- Works over any link, including satellite or high-latency connections.
- Administration and support handled by Connectra, with no dedicated in-house team.

— WHY CONNECTRA

Industrial IT/OT specialists

We design for mining, energy and oil & gas, not the generic office.

Local support and infrastructure

Datacenter and support in Argentina, billed locally with electronic invoicing.

Managed 24/7 operation

We monitor and run the service so your team can focus on the business.

Single ConnectraCloud identity

One login for every service, with two-factor and SSO.

— CONTACT

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