

DCIM

# Connectra DCIM

Unified management and monitoring of your distributed network infrastructure

● [Service brochure](#)

## Single console

Your whole distributed network -SD-WAN, IPAM, topology, inventory, DNS and routing- governed from one portal.

## Interconnection with failover

Sites linked by SD-WAN with automatic multi-WAN switching to keep critical operations running.

## Safe writes

Every change to the network is audited and backed up before it is applied.

## Per-customer scope

Each organization observes and operates only its own infrastructure.

**ConnectraCloud**

Managed services for mining, energy and oil & gas



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**SERVICE OVERVIEW**

## What it is for

**A single console to govern your company's entire multi-site network - interconnection, addressing, topology and inventory- operated with the discipline of a dedicated specialist.**

Connectra DCIM centralizes the management of distributed network infrastructure in a single console. It is the customer portal of Connectra's SD-WAN controller: from there your company visualizes the topology of its sites, manages IP addressing, operates tunnels between locations and reviews the status of the network equipment inventory.

Unlike a VPN access for individuals, DCIM governs the organization's network as a whole: it interconnects sites through SD-WAN with multi-WAN failover, manages subnets and VLANs (IPAM), publishes DNS and dynamic routing, and keeps an audit trail of every change applied to the infrastructure.

Scope is per customer: each organization sees only its own network, links, addressing and equipment, without exposing third-party information. Connectra operates the underlying controller while your company retains visibility and control over its infrastructure.

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**HOW IT WORKS****1****Site onboarding**

Connectra incorporates each location's edges into the managed controller and links them through WireGuard or OpenVPN tunnels.

**2****Network modeling**

Addressing, VLANs, equipment inventory and DNS zones are loaded, and the L2 topology is discovered automatically via LLDP.

**3****Operation from the portal**

Your company manages links, subnets and failover policies from a web console scoped to its own network.

**4****Audited changes**

Every modification is applied with a prior configuration backup and recorded in the audit trail for internal reviews.

## — FEATURES

## Features

01

### Multi-site SD-WAN

Managed WireGuard and OpenVPN tunnels across operations, plants, camps and offices, with centralized orchestration.

02

### Multi-WAN failover

Automatic switching between edge links to keep critical sites connected when a provider goes down.

03

### IPAM

Management of IP addressing, subnets and VLANs on phpIPAM, with utilization tracking.

04

### Visual topology

A real-time map of links and nodes that reflects how your network is interconnected across sites.

05

### Equipment inventory

Routers, switches and firewalls cataloged with their operational status, location and network role.

06

### Routing and DNS

Managed BGP and OSPF together with administration of the infrastructure's DNS zones.

07

### Audit and hardening

Change logging across the network and security hardening of equipment, with integrated IDS.

08

### Per-customer portal

Web access with scoped reach: each customer operates and observes only its own infrastructure.

## — INDUSTRY APPLICATIONS

## Use cases in mining · Use cases in oil & gas

### Use cases in mining

- **Unified mine-office-camp network**  
Centralized management of connectivity between the mining site, administrative offices and remote camps from a single portal.
- **Site uptime with edge failover**  
Multi-WAN failover at the mine edges to sustain operations when a satellite or fiber link from the provider goes down.
- **OT network inventory**  
Catalog and status of the routers, switches and firewalls that support plant telemetry and control systems.
- **Plant addressing**  
Management of subnets and VLANs per mine area to segment production, management and OT networks.
- **Multi-site topology visibility**  
A map of links between the mine, offices and camps to quickly locate the point of failure during an incident.

### Use cases in oil & gas

- **Managed field interconnection**  
Secure linking between fields, treatment plants and offices through managed SD-WAN tunnels.
- **SD-WAN failover for critical sites**  
Automatic link switching at wellheads and remote stations to sustain connectivity for critical processes.
- **Control-network IPAM**  
Orderly management of addressing for SCADA and control networks distributed across the fields.
- **OT network change audit**  
Traceable logging of every modification to the operational network to support security reviews and audits.
- **Remote-site equipment monitoring**  
Live status of network equipment at isolated stations and plants, with early detection of degradation.

— WHAT SETS US APART

## What sets us apart

### Unified multi-site visibility

Topology, inventory, addressing and service health for every location converge in a single console, not in scattered tools.

### Safe writes with auditing

The controller backs up the configuration before each change and keeps a full trail, reducing the risk of operating the network in production.

### Operated by local specialists

Connectra manages the controller and supports day-to-day operation, with per-customer scope and close, responsive support.

— BENEFITS

- A single view of the entire multi-site network in one platform
- Higher uptime for critical sites thanks to automatic multi-WAN failover
- Faster diagnostics with live topology, inventory and status
- Orderly, collision-free addressing through centralized IPAM
- Full change traceability to support internal audits
- Secure interconnection between locations without deploying your own infrastructure

— 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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