

# **CONFIGURATION MANAGEMENT**

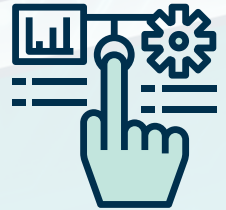
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**MANAGE INTEGRATIONS |  
CONFIGURATIONS |  
PARAMETER CHANGES & INCONSISTENCIES |**

**Enabling a Smarter Connected World**

## **SIMPLIFY NETWORK MANAGEMENT WITH AUTOMATION-DRIVEN INNOVILE CONFIGURATION MANAGEMENT**

The Network's growing capacity requirements and the developing new of technologies like IoT, SDR, vRAN, 5G, zero-touch and OpenRAN are making network management and optimization increasingly complex. With multiple vendors and technologies in play, it is not always easy or cost-effective to simplify. To turn it into an easy task requires a lot of innovation to mask the real complexity behind.



Configuration Management (CM), one of the main challenges of the communication service providers, is a process for establishing and maintaining a network's performance and quality. Innovile offers a comprehensive and cost-effective CM solution to simplify this critical process.

The traditional CM uses multiple vendors or in-house tools to manage the network. The Innovile CM, instead, enables clients to have a single point of contact with the whole network and allows commands to be executed independent of vendors, thus reducing management complexity and the hidden costs of having the much needed multiple management tools and expertise.



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**The CM platform offers a vendor-independent operating interface that can be adapted to any OSS vendor and enables any external open API integration.**

With advanced user role and node management capabilities of Innovile CM platform, communication service providers can provide access to data for only the required nodes and functionalities. This type of access is the safest model for the communication service providers to manage their Operation Support System (OSS)/Network Management System (NMS) activities defined in 3GPP and TM Forum standards.

Innovile CM is an OSS configuration management solution that manages integrations, parameter changes and inconsistencies for mobile communication service providers. The solution has a user-friendly web platform implemented as a transparent management solution covering all access technologies (2G, 3G, 4G and 5G).

Our objective as a solution provider is to make our solutions simple to run by handling the real complexity in the backend. The platform offers a vendor-independent operating interface that can be adapted to any OSS vendor and enables any external open API integration.

# INNOVILE CM HAS A MODULAR STRUCTURE

## NETWORK OPTIMIZATION

- Monitors parameters
- Generates intelligent reports
- Enables Performance Management (PM) & Fault Management (FM) correlation
- Makes license controls
- Detects inconsistencies
- Manages dashboards
- Provides Map GIS support

## NETWORK OPERATION

- Modifies parameter changes
- Modifies neighbours according to operator strategy
- Supports single or group parameter changes
- Supports moving, deleting, creating any element
- Enables Feature Activations
- Enables PTN Operations
- Makes Neighbour Management
- Manages IP preparations

## NETWORK AUTOMATION

- Module triggering automated actions to minimize operational risks (by enabling reliable and error-free task execution while reducing process time)
- Automatic Baseline Inconsistency Correction
- Self-Healing
- Self-Optimization

## PARAMETER COMPLIANCE

- Controls baseline inconsistencies
- Checks forbidden & golden parameters
- Enables version controls
- Manages exception & freeze parameters

## NODE INTEGRATION

- Manages New Site Integration
- Creates SCF
- Rehoming Operations
- Enables Cell Rotate

## PARAMETER DATA LAKE

- Parameter database enables all Innovile CM's powerful functions to work on a single data source containing both recent and historic data.

## CHANGE REQUEST MANAGEMENT

- Internal Change Request module connects all modules and enables different teams to work on a single platform.

## ADVANTAGES OF THE INNOVILE CM SOLUTION

### GENERATES INSTANT INCONSISTENCY REPORTS

- No manual Excel macros and data comparison tables
- No SQL queries



### CREATES DAILY HEALTH CHECK REPORTS

- Creates workspace
- Schedules automated emails
- Creates custom queries based on data from nodes, KPI statistics, and configuration management options



### EASY TRACKING OF THE HISTORY PARAMETER CHANGES

- Generates quick reports on parameters and neighbours
- Compares default parameters with live network
- Simple user-friendly web interface for all vendors and technologies

### PERFORMS PLANNING AND INTEGRATION OF THE NEW NODES

- Automatically integrates network elements upon activation of new base stations, including automatic scheduling of basic BS parameters and neighbour lists
- Creates CDD for new nodes in 10 minutes



### REDUCES NETWORK OPERATING COSTS



- Reduces LOE by more than 50% (in man-days) by automating routine manual operations
- Eliminates maintenance and rework costs for heterogeneous tools, including in-house development
- Enables automatic detection of configuration errors and rapid remediation - increases QoS, reduces equipment downtime
- Provides low total cost of ownership (TCO) - low development cost



## CM BENEFITS



30%

**COST  
SAVING**



80%

**TIME  
SAVING**



20%

**LESS  
ERRORS**

- Mobile compatible modern web interface
- Multiple language support
- Map (GIS) support
- Internal work order (ticket) system
- Customizable dashboards
- Automated, efficient and accurate radio network planning system

- Multi-vendor
- Multi-technology
- Unified operating environment
- Well thought-out user interface design
- Expert design knowledge
- Client-roadmap integration
- World-class support
- Supporting services and expertise

- Mobile compatible modern web interface
- Unique algorithms for frequency scheduling, scrambling codes scheduling and search for neighborhoods
- Fast and easy integration via executable OSS commands
- One platform for all network departments (RF, Transmission and BSS)
- Comprehensive nonconformity assessment algorithms
- Cross-validation of site statistics, parameters and hardware configuration
- Advanced control panel and custom matching rules



# ABOUT INNOVILE

Innovile provides network excellency with its' **"Self-Organizing Network, Configuration Management, Performance Management and Fault Management"** solutions to fulfill the potential of the network lifecycle for communication service providers (CSPs)

The Innovile network management solutions provide multi-vendor, multi-technology, heterogeneous network components, and they surmount complexity for CSPs. To obtain measurable and actionable insights on the network as well as on customer behavior through detailed analytics help CSPs to provide superior mobile experience. Our future-proof, flexible and agile network optimization solutions bring simplicity to networks and make Innovile the first choice for Tier One operators.



**Global  
Footprint**



**Extensive  
Portfolio**



**Proven  
Solutions**



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