

R&S® CeLo CENTRAL LOGISTICS

Specifications



Specifications
Version 02.00

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Introduction

The R&S®CeLo Central Logistics web application enables configuration management for extensive material inventories. The installation includes a web server, which – depending on the use case – makes the software accessible from any browser via the internet or within a VPN network. The application is protected from unauthorized access using state-of-the-art security standards in line with the IT Grundschutz Compendium of the Bundesamt für Sicherheit in der Informationstechnik (Federal Office for Information Security, BSI).

Users can be assigned different roles to allow administrators, project managers and technical personnel customized access to data. R&S®CeLo Central Logistics can model and administer any device landscape. Equipment is organized by location, installed position and depot and can be quickly identified using flexible search functions. Create nested device configurations with variable subdevices and enter additional metadata at the device and device-type levels. Installation and removal processes for components can be represented and supplemented with file attachments. The software records every operation automatically in a device history. Project-specific events such as calibration can be added manually. This makes the R&S®CeLo Central Logistics suitable for use as a tracking tool for servicing complex products.

Overview

Key facts	<ul style="list-style-type: none"> • Configuration management for extensive material inventories • Administration of nested device groups (with unlimited hierarchical depth) • Device localization by location, depot and installation structure • Tracking of installation, removal and maintenance processes • Obsolescence analysis (MTBF, operational readiness, maintenance planning) • The history of every device is tracked automatically • Unlimited project-related supplementary information • File upload for every device, device type and operation • Search functions for devices and device types with a wide range of filtering and sorting options • Project based user rights • Import from existing systems and export from data tables to Excel
Benefits	<ul style="list-style-type: none"> • Realistic model of a device landscape and its condition • Language selection of German or English; other languages on request • Intuitive and simple operation of a web based application • Simultaneous, distributed access based on a secure data architecture • Ensured data integrity – protection from unintentional or unauthorized changes • Planability of maintenance work and spare parts procurement • Documentation and monitoring of operational readiness, from spare parts to overall systems • Alarm function – configurable email notifications, i.e. when calibration is due
Technical details	<ul style="list-style-type: none"> • Web based, no installation for clients necessary, supports nearly all devices and browsers • Central access: web server with login and secured via HTTPS protocol, no direct database access • Central administration: multiple projects on a single server, shared type list • User administration: users are assigned read or write access at the project level • Database backend: high performance and security, automatic backups, fast search • SQL-based: exchangeable • Responsive: fast status and data changes, drag and drop, quick reacting GUI • Adaptive: projects are highly configurable, e.g. self-definable metadata columns • Installing, removing and maintenance: processes, attachments and email user alerts • Interfaces: table export to Excel and migration from other systems possible

Specifications

The specifications are for software version 5.0.7.

Supported languages	users can either select the language at every login or set a preferred language in the application's user options	<ul style="list-style-type: none"> German (standard) English
Technologies used		
Database		Microsoft SQL Server 2022 or Microsoft Access
Frontend middleware		<ul style="list-style-type: none"> Primetec® Primefaces 8.0.20 Primefaces Extensions 8.0 Primefaces theme 'Redmond' JavaServer Faces 2.4.0 jQuery JavaScript Apache Tomcat 9.0.64
Backend middleware		<ul style="list-style-type: none"> OpenJDK Java 19.36 Argon2-jvm-2.4 Ucanaccess-5.0.1 Mssql-jdbc-10.2.0 Poi-5.0.0 Zxing-javase-3.4.1
Open source acknowledgement		R&S®CeLo Central Logistics uses open source software. The open source acknowledgement can be viewed on the R&S®CeLo Central Logistics login page under Imprint.
System requirements		
Operating system		<ul style="list-style-type: none"> Windows 10 (64 bit) Windows 11 Windows Server 2012 Windows Server 2019
Processor		x86 architecture, min. 4 cores
RAM		min. 4 Gbyte, 16 Gbyte recommended
HDD/SSD		min. 10 Gbyte, 80 Gbyte SSD recommended
Network connection	LAN	100 Mbit or faster
	WLAN	IEEE 802.11a or faster
Network sharing		One open network port for application access via the HTTPS protocol; the standard port 443 is recommended. The application can also be operated without network sharing, but then it is only accessible locally.
Database	when using an SQL server	Microsoft SQL Server Express 2022

Ordering information

Designation	Type	Order No
Basic version ¹ Configuration management software, limited to one project	R&S®CeLo Central Logistics Basic	3719.7158.06
Enterprise version ¹ Configuration management software, unlimited number of projects	R&S®CeLo Central Logistics Enterprise	3719.7158.02
OM module ¹ Obsolescence management extension, for R&S®CeLo Central Logistics Basic and R&S®CeLo Central Logistics Enterprise	R&S®CeLo Central Logistics OM	3719.7158.04
Planning module ¹ Planning extension, for R&S®CeLo Central Logistics Basic and R&S®CeLo Central Logistics Enterprise	R&S®CeLo Central Logistics Planning	3719.7158.08

¹ The products listed contain only a license key and the software as an installation packet. A server is required to run the application. The cost of the server is not included in the price.

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