



**DVC**<sup>®</sup>  
DIGITAL VENTILATED CAGE

DVC RELEASE NOTE 6.7

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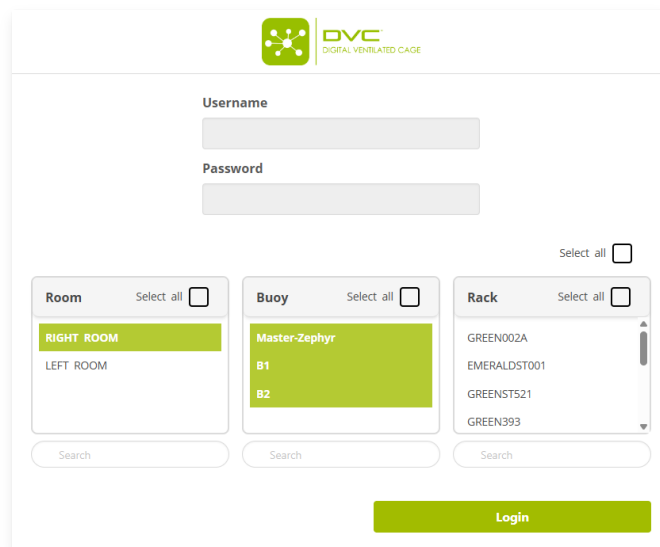
## 1. RELEASED FEATURES DVC SOFTWARE

This DVC® release 6.7.0 includes several features.

### 1.1 FEATURE #1 – OPERATOR LOGIN BY LOCATION

In this version, is possible to enable **location-based login** for DVCOPERATOR interface.

This allows users to access the Operator view while seeing only the cages, racks, alarms and tasks belonging to the selected location, excluding everything that does not fall within the selected location.



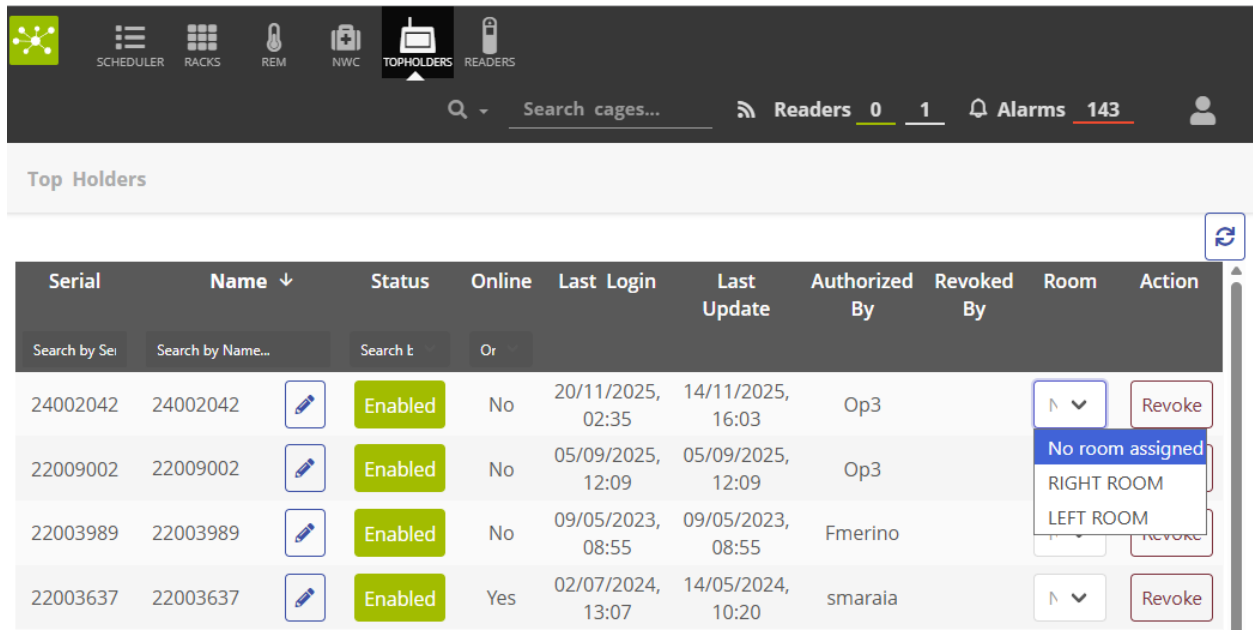
The screenshot displays the DVC OPERATOR login interface. At the top, the DVC logo (DIGITAL VENTILATED CAGE) is visible. Below the logo, there are input fields for 'Username' and 'Password'. To the right of these fields is a 'Select all' checkbox. Below the input fields, there are three columns for location selection: 'Room', 'Buoy', and 'Rack'. Each column has a 'Select all' checkbox and a list of options. The 'Room' column lists 'RIGHT ROOM' and 'LEFT ROOM'. The 'Buoy' column lists 'Master-Zephyr', 'B1', and 'B2'. The 'Rack' column lists 'GREEN002A', 'EMERALDST001', 'GREENST521', and 'GREEN393'. Each column also has a 'Search' button. At the bottom right, there is a green 'Login' button.

Room	Buoy	Rack
RIGHT ROOM	Master-Zephyr	GREEN002A
LEFT ROOM	B1	EMERALDST001
	B2	GREENST521
		GREEN393

## 1.2 FEATURE #2 – LOCALIZED ELECTRONIC TOP HOLDER

Following the previous feature the user can also now assigned top holders to specific location in order to be filtered in at login.

If no room is assigned, the corresponding top holders will be visible at any location level.



The screenshot shows the TOPHOLDERS interface. At the top, there is a navigation bar with icons for SCHEDULER, RACKS, REM, NWC, TOPHOLDERS (selected), and READERS. Below the navigation bar is a search bar labeled "Search cages..." and status indicators for Readers (0) and Alarms (143). The main section is titled "Top Holders" and contains a table with the following columns: Serial, Name, Status, Online, Last Login, Last Update, Authorized By, Revoked By, Room, and Action. The table lists four top holders, all with a status of "Enabled". The first three top holders have a "Room" dropdown menu set to "No room assigned", and the fourth has it set to "RIGHT ROOM". A dropdown menu is open for the first top holder, showing the options "No room assigned", "RIGHT ROOM", and "LEFT ROOM".

Serial	Name	Status	Online	Last Login	Last Update	Authorized By	Revoked By	Room	Action
24002042	24002042	Enabled	No	20/11/2025, 02:35	14/11/2025, 16:03	Op3		No room assigned	Revoke
22009002	22009002	Enabled	No	05/09/2025, 12:09	05/09/2025, 12:09	Op3		RIGHT ROOM	Revoke
22003989	22003989	Enabled	No	09/05/2023, 08:55	09/05/2023, 08:55	Fmerino		LEFT ROOM	Revoke
22003637	22003637	Enabled	Yes	02/07/2024, 13:07	14/05/2024, 10:20	smaraia		RIGHT ROOM	Revoke

### 1.3 FEATURE #3 – NEW ALARM TAB IN OPERATOR INTERFACE

In this version, the **alarm page** in the Operator interface **has been redesigned**. The new layout provides an immediate, comprehensive overview of all alarms. If needed, the user can then drill down into the details by room, rack and other filters.

Alarms											
Localized Not localized X											
Total alarms 84			Armed in trouble	No bottle	Cage flooded	Cage missing	Low fluid	No RFID tag	No activity	Wrong cage position	Missing running wheel data
			11	12	1	1	19	2	17	9	12
Building Tecnoplast HQ Floor Digilab Offices											
Room	Room	Rack									
RIGHT ROOM	Master-Zephyr	GREENST321	2	2	0	0	3	0	2	1	0
RIGHT ROOM	B1	19660003A	3	0	0	0	0	0	0	0	1
RIGHT ROOM	B2	17009100A	1	0	0	0	0	0	0	3	1
RIGHT ROOM	B2	20220001A	1	0	0	0	0	0	0	0	0
RIGHT ROOM	Master-Zephyr	GREEN002A	1	1	0	1	2	1	2	0	2
RIGHT ROOM	B1	16000003A	1	1	0	0	3	0	1	0	1
RIGHT ROOM	B1	GMD00BLESIDEB/01B	2	4	0	0	6	1	1	0	1
RIGHT ROOM	Master-Zephyr	EMERALDST001	0	2	0	0	2	0	1	5	0
RIGHT ROOM	B1	GMD00BLESIDEA/01A	0	2	1	0	2	0	6	0	5
RIGHT ROOM	Master-Zephyr	GREEN393	0	0	0	0	1	0	4	0	1

#### **1.4 FEATURE #4 – NEW DVCISO LED WORKFLOW MANAGEMENT**

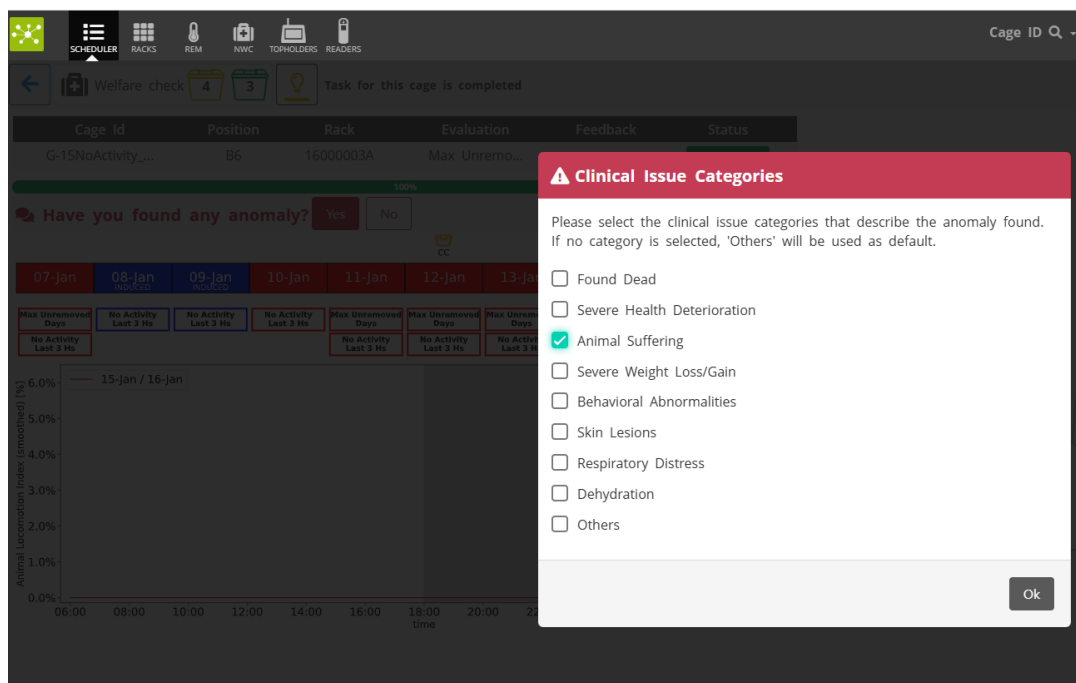
With this version, the new DVCISO racks use led interaction for tasks and alarms workflow management.

This represents a significant enhancement to the user experience for those having the new DVCISO racks version bought from 1<sup>st</sup> January 2025.



## 1.5 FEATURE #5 – CLINICAL ISSUE FEEDBACK AFTER NWC TASK

In this version, when an NWC task is performed from the operator interface and a YES feedback is provided, the DVC opens a menu with predefined macro-categories based on the reason for the YES feedback.



## 2. ENHANCEMENTS DVC SOFTWARE

This DVC® release 6.7.0 includes several enhancements to improve or strengthen some of the features already available.

### 1.1 ENHANCEMENT #1 – TERMINATE CAGE MISSING FROM OPERATOR INTERFACE

A new feature has been introduced that allows users to **terminate a missing cage** directly from the Operator interface.

In the alarm section, a Terminate Icon appears on the alarm information – enabling the operator to terminate directly the cage without going to DVCWOKPLACE.

Alarms

LocalizedNot localized

<

Total alarms10

Building  
Tecniplast HQ

Floor  
Digilab Offices

Room  
RIGHT ROOM

Buddy  
Master-Zephyr

Rack  
GREEN002A

1 Animal in trouble

>

1 No bottle

>

1 Cage missing

>

Cage id	Last cage position	Created on	Actions
W-25	D7	28/10/2025, 17:09:23	<div>✕ Terminate</div>

2 Low food

>

1 No RFID tag

>

2 No activity

>



## 1.2 **ENHANCEMENT #2 – FIXED VULNERABILITIES**

In this version several software vulnerabilities have been addressed and solved.

## 1.3 **ENHANCEMENT #3 – DEPRECATE SOME UNUSED TABLES IN DATABASE**

Several tables in the database have been deprecated to reduce overall database size and improve the performance of processes related to alarm management, evaluations, tasks, and other system operations.

## 1.4 **ENHANCEMENT #4 – FLOODING ALARMS**

The flooding algorithm has been improved in terms of robustness: in Autowatering configurations, only the rear electrodes of the cage are treated as priority, while the front electrodes are used to detect signal drops in bottle-based setups.

## 1.5 **ENHANCEMENT #5 - EXTENDED THE TIMEOUT FOR MANUAL CAGE CHANGE**

Up to version 6.6, the maximum time you could set for the cage changes task timeout was 90 minutes – with the new version, this limit no longer exists.

### 3. BUG FIX DVC SOFTWARE

This section refers to "user-visible" application bugs that have been fixed by the current release. Some potential bugs refer to the overall infrastructure that are not here reported because "invisible" to the final User unless these are not critical bugs affecting the overall workflow.

#### 1.6 **BUG FIX #1 – FIXED COORDINATES FOR ALARMS IN DOUBLE RACK SIDE.**

The management of position coordinates for alarms on double-sided rack was handled incorrectly, assigning non-existent coordinates.  
The issue has now been resolved.

#### 1.7 **BUG FIX #2 – RACKS WITHOUT ASSOCIATED LOCATION**

In the previous releases if any layer of a tree location was missing the task / alarms workflows maybe affected.  
We fixed the issue been solved.

#### 1.8 **BUG FIX #3 – UNEXPECTED ACTIVITY ALARM BUGS**

- There was a bug where racks on Side B with an Unexpected Alarm active, the position was not possible to illuminate the rack position.
- For user who have the option "Alarms disabled for cages without registered animals" enabled, the Unexpected Activity Alarm was not triggered.

Both bugs have been fixed.

#### 4. KNOWN BUGS

- If a rack is set to the disabled state, any alarms that were already present on that rack will remain visible.  
If you want to close these alarms, you need to re-enable the rack, close the alarms, and then disable the rack again.



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