



TECNIPLAST



DVC
DIGITAL VENTILATED CAGE

DVC RELEASE NOTE 6.7

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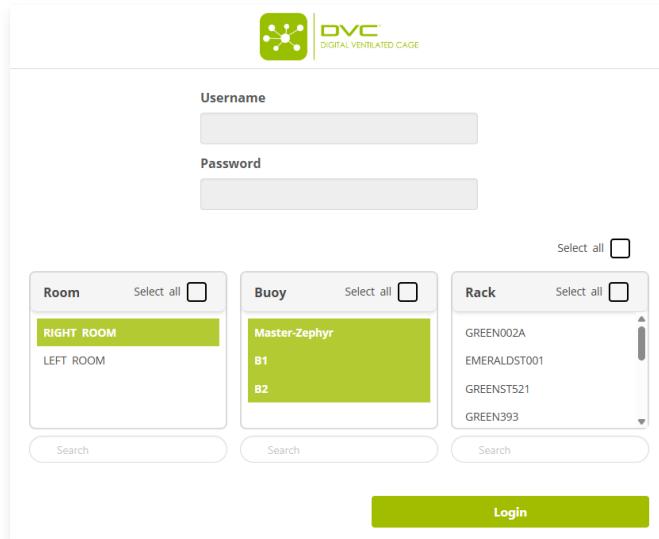
1. RELEASED FEATURES DVC SOFTWARE

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 shows the DVC Operator Login screen. At the top, there is a logo for 'DVC DIGITAL VENTILATED CAGE'. Below the logo are fields for 'Username' and 'Password'. Underneath these fields are three selection panels:

- Room:** A list with 'RIGHT ROOM' highlighted in green and 'LEFT ROOM' below it. There is a 'Select all' checkbox and a 'Search' button.
- Buoy:** A list with 'Master-Zephyr' highlighted in green, 'B1', and 'B2' below it. There is a 'Select all' checkbox and a 'Search' button.
- Rack:** A list with 'GREEN002A', 'EMERALDST001', 'GREENST521', and 'GREEN393' below it. There is a 'Select all' checkbox and a 'Search' button.

At the bottom of the screen is a large green 'Login' button.

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.

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		
22009002	22009002		Enabled	No	05/09/2025, 12:09	05/09/2025, 12:09	Op3		
22003989	22003989		Enabled	No	09/05/2023, 08:55	09/05/2023, 08:55	Fmerino		
22003637	22003637		Enabled	Yes	02/07/2024, 13:07	14/05/2024, 10:20	sramaia		

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.



The screenshot shows a table with the following data:

Total alarms		84	Animal in trouble	No bottle	Cage flooded	Cage missing	Low feed	No IBD leg	No activity	Wrong cage position	Missing running wheel data
Building	Tecniplast HQ	Floor	Digilab Offices								
Room	RIGHT ROOM	Busy	Master-Zephyr	Rack	GREEN1521	2	2	0	0	3	0
Room	RIGHT ROOM	Busy	B1	Rack	19660003A	3	0	0	0	0	0
Room	RIGHT ROOM	Busy	B2	Rack	17099105A	1	0	0	0	0	3
Room	RIGHT ROOM	Busy	B2	Rack	20220001A	1	0	0	0	0	0
Room	RIGHT ROOM	Busy	Master-Zephyr	Rack	GREEN002A	1	1	0	1	2	1
Room	RIGHT ROOM	Busy	B1	Rack	16000003A	1	1	0	0	3	0
Room	RIGHT ROOM	Busy	B1	Rack	GMD001LS101B/01B	2	4	0	0	6	1
Room	RIGHT ROOM	Busy	Master-Zephyr	Rack	EMERALDST01	0	2	0	0	2	0
Room	RIGHT ROOM	Busy	B1	Rack	GMD001LES101A/01A	0	2	1	0	2	0
Room	RIGHT ROOM	Busy	Master-Zephyr	Rack	GREEN393	0	0	0	0	1	0

1.4 FEATURE #4 – NEW DVCISO LED WORKFLOW MANAGEMENT

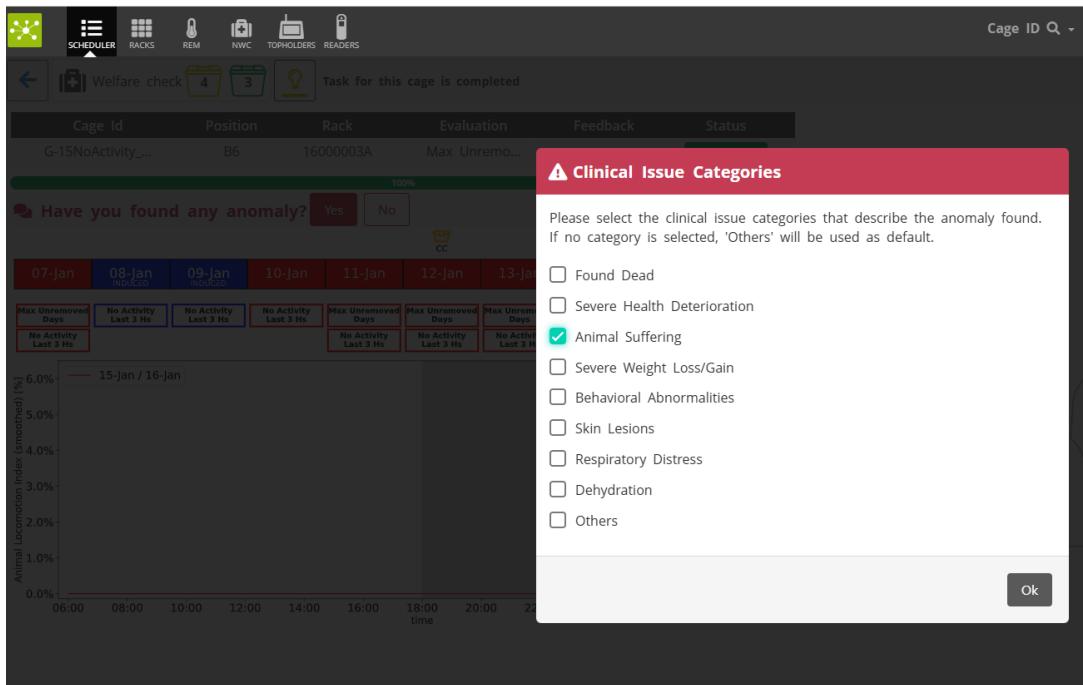
With this version, the new DVCISO racks use led interaction for tasks and alarms workflow management.

This represents a significant enhancement to the user experience for those having the new DVCISO racks version bought from 1st 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

Total alarms 10

Building: Tecniplast HQ, Floor: Digilab Offices, Room: RIGHT ROOM, Buoy: Master-Zephyr, Rack: GREEN002A

Localized Not localized X

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

1 Animal in trouble

1 No bottle

1 Cage missing

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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