TECNIPLAST

DVC
DIGITAL VENTILATED CAGE

DVC RELEASE NOTE 6.7

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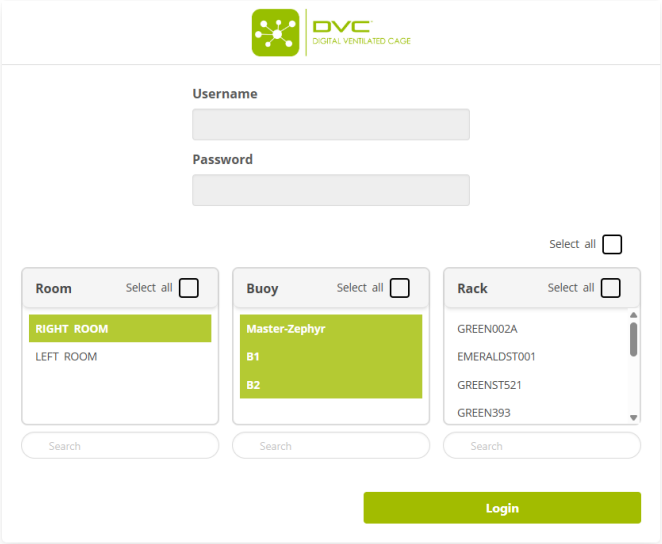
1. RELEASED FEATURES DVC SOFTWARE

This DVC®® release 6.7.0 includes several features.

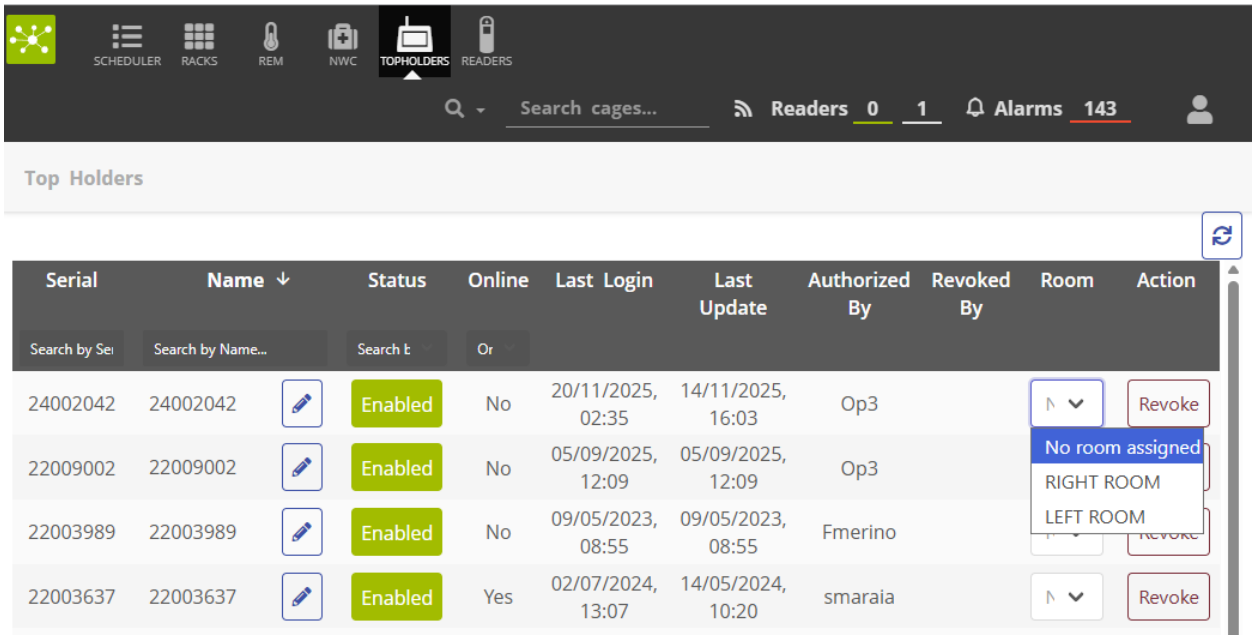
1.1 FEATURE #1 – OPERATOR LOGIN BY LOCATION

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 fail within the selected location.



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.



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.

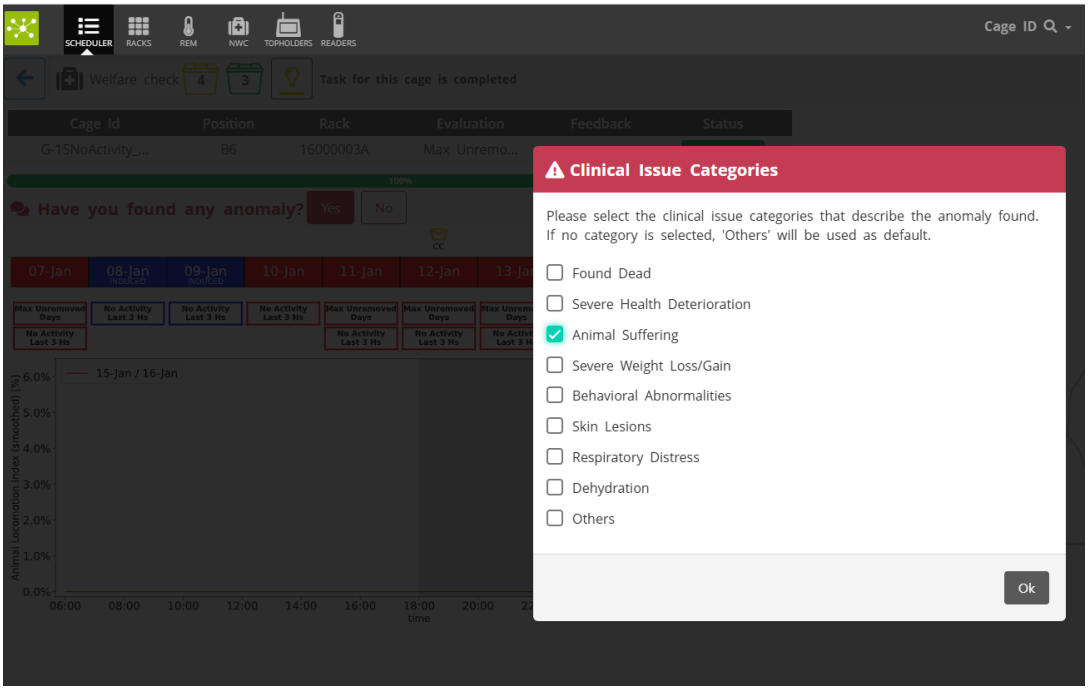
1.4 FEATURE #4 – NEW DVCISO LED WORKFLOW MANAGEMENT

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.

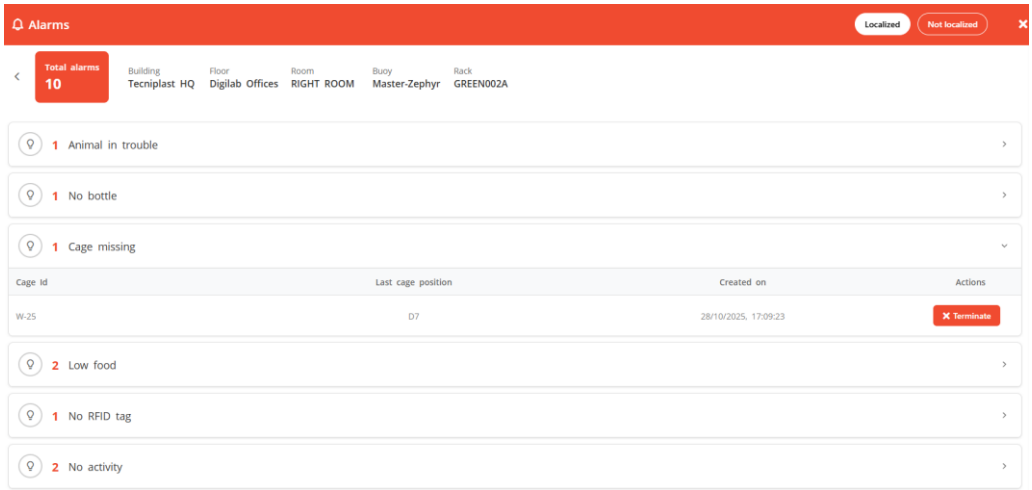


2. ENHANCEMENTS DVC SOFTWARE

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

2.1 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 from the cage without going to DVCWOKPLACE.



2.2 ENHANCEMENT #2 – FIXED VULNERABILITIES

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

2.3 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.

2.4 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.

2.5 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.

2.6 ENHANCEMENT #6 – API LED AMS – TIMEOUT SETTINGS

With version 6.7 a timeout parameter was introduced in the LED activation API, allowing AMS to define how long the LED remains on after being triggered via the API.
If it is not defined by AMS, DVC will switch off LED with a default time (60 seconds).

2.7 ENHANCEMENT #7 – STABILITY IMPROVEMENTS

Some enhancements have been deployed to improve system stability in task creation and management.

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.

3.1 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.

3.2 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.

3.3 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.

- Unexpected activity alarms on SIDE are not showing in the rackview the orange label that identify an alarm on the cage.
  BUG PRESENT JUST FOR DVCRACK side B

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