Status of Database & Software for Phase-2 Tile Cal Electronics Components

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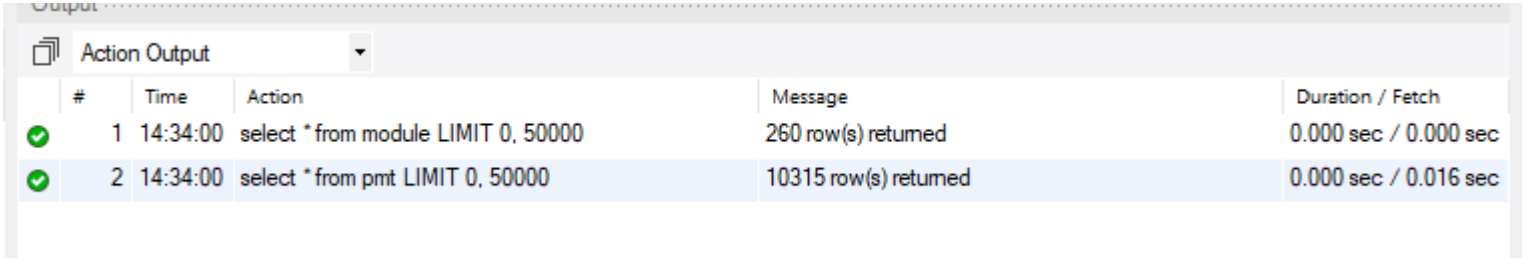
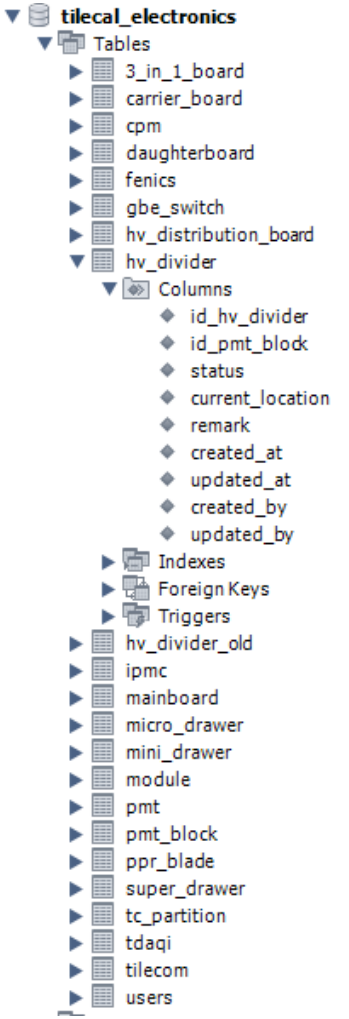
Status of **DATABASE**

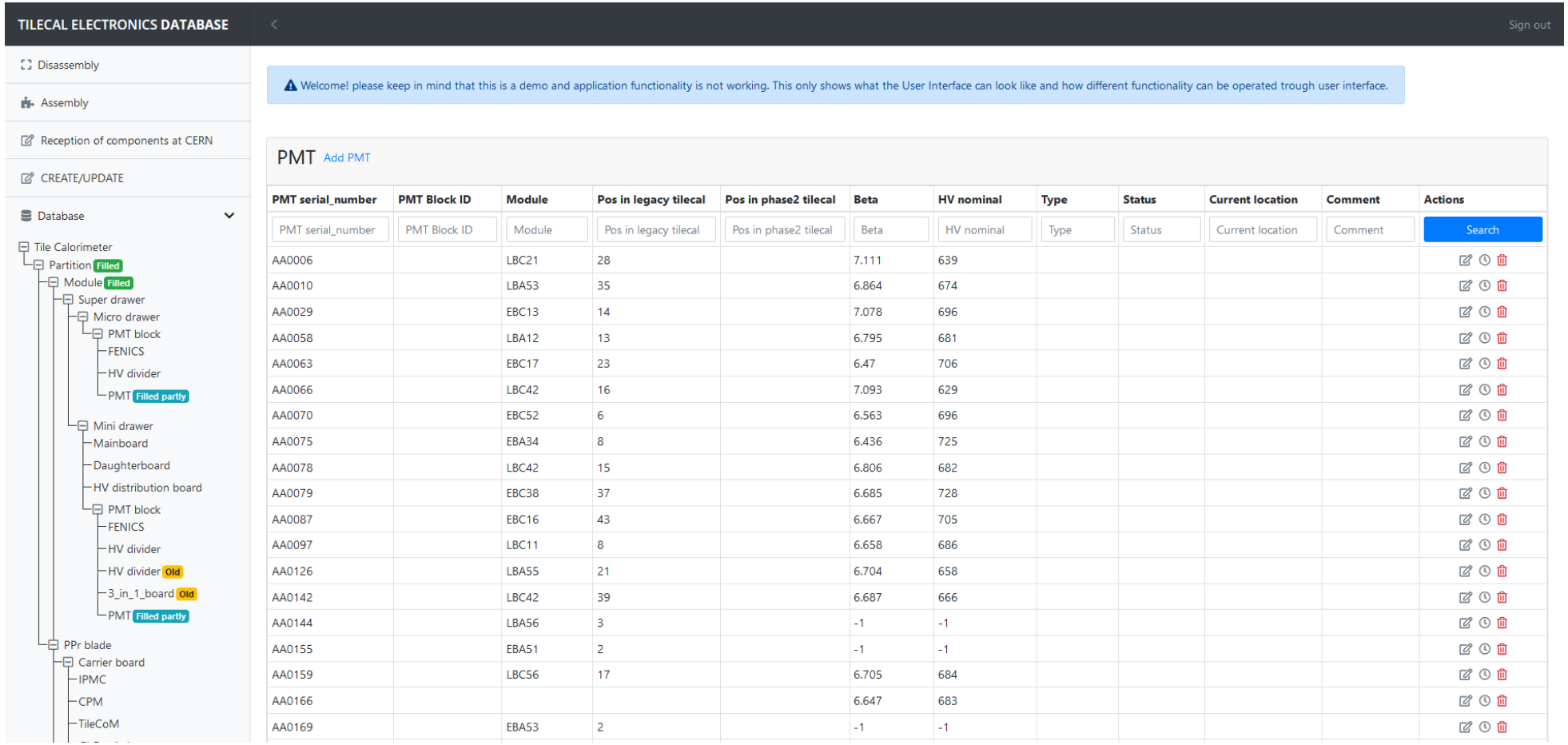
- ☑ Partitions & Modules prefilled
- ☑ PMTs prefilled with old PMTs Spreadsheet *(provided by Henric)*
- ☑ Added two tables for old components “3_in_1_board”, “hv_divider_old” *(Requested by Irakli)*
- ☑ Column data types updated to match real component property value data types.
- ☑ New columns(“created_at”, “updated_at”, “created_by”, “updated_by”) added for every component, to save all modification dates and modification authors.
- ☑ Database updated to match MySQL version 8.0 Standards.



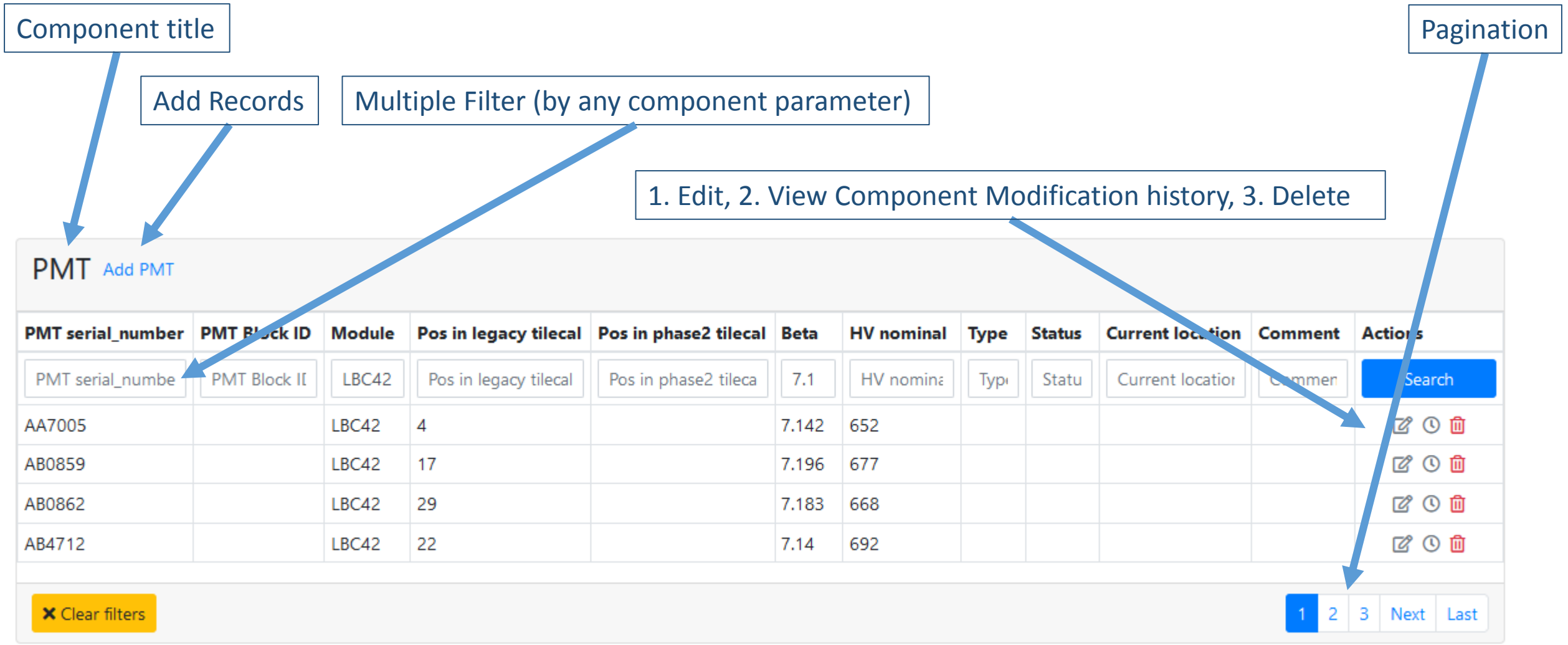


Status of **Web Application**

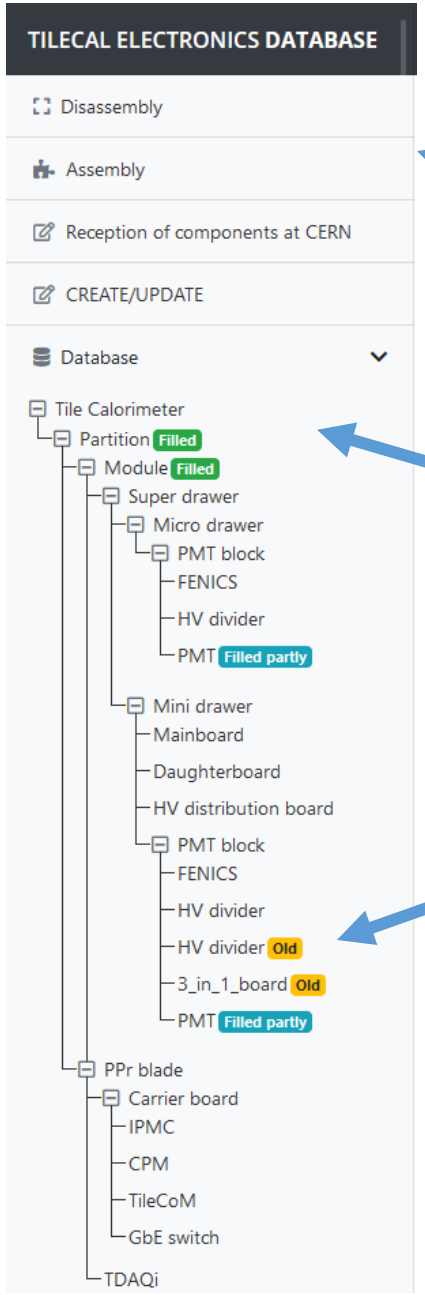
- Updated User Interface
- New Functionality



Updated **UI**


Component title
Add Records
Multiple Filter (by any component parameter)
1. Edit, 2. View Component Modification history, 3. Delete
Pagination
PMT
Add PMT
PMT serial_number
PMT Block ID
Module
Pos in legacy tilecal
Pos in phase2 tilecal
Beta
HV nominal
Type
Status
Current location
Comment
Actions
PMT serial_numbe
PMT Block II
LBC42
Pos in legacy tilecal
Pos in phase2 tileca
7.1
HV nomina
Typ
Statu
Current locatio
Search
AA7005 LBC42 4 7.142 652
AB0859 LBC42 17 7.196 677
AB0862 LBC42 29 7.183 668
AB4712 LBC42 22 7.14 692
Clear filters
1
2
3
Next
Last

Updated **UI**



Navigation trough WORK PHASES and Different Application Functionality

Full Database Component Tree with functionality to navigate trough any database component and get corresponding table

Badges representing different Information

Few Issues

1. Most recent PMT Spreadsheet is needed, to update prefilled PMT data in the Database (current one is from 2017).
2. Few errors in PMT spreadsheet (duplicate entries, missing values, modules are numbered 00-64 (Modules must be numbered 00-63, 01-64 or leave 00-64 ?)).

3. List of components that will be in “reception of components at CERN” list.

Upcoming **Steps**

1. Finish prefilling PMTs - *Partly done*
2. Create CRUD(create, read, update, delete) functionality (form validation and success/error messages included) for all components. - *In progress*
3. CREATE functionality that will allow to see any component modification history. - *In progress*
4. Finish working on the functionality of work phases “Disassembly/Assembly/Reception of components at CERN” (all additional requirements of application/database included, e.g. barcode recognition, etc.). - *In progress*
5. Import database on CERN DBOD service.
6. Import application on CERN server.
7. Setup database backup
8. Create Gitlab repository
9. Start testing
10. Continue testing
11. Write technical documentation.
12. Crete user manual providing troubleshooting, with the explanation of conflict cases and possible ways for the solution.

Before proceeding some of these steps we will wait for your feedback about current development

Thanks for attention, comments are welcome