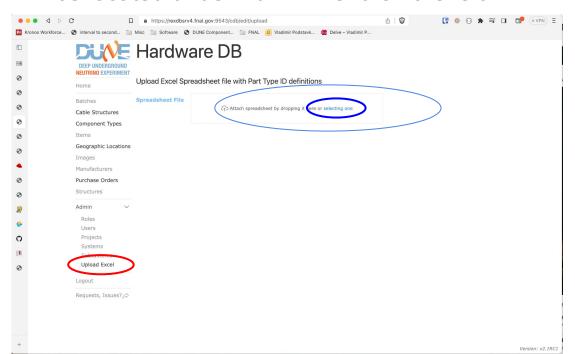


Dune Hardware DB Latest Additions

Stephen White, Vladimir Podstavkov August 8, 2023

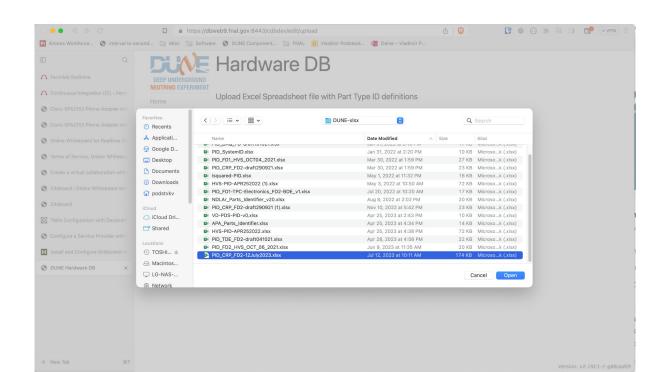
Excel Spreadsheet Upload

A new web form has been added to upload a single Excel spreadsheet file.
It's located under Admin menu on the left



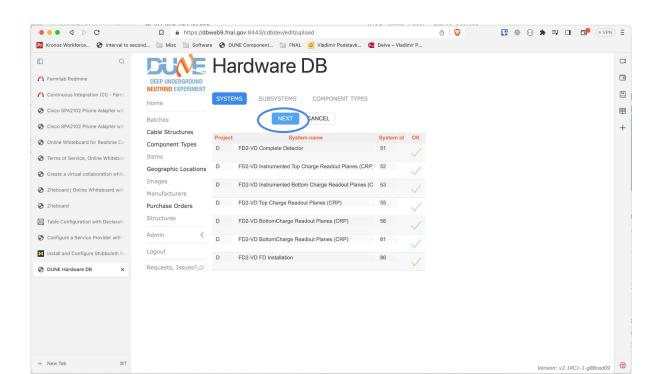
Excel Spreadsheet Upload (2)

Select and upload the file:



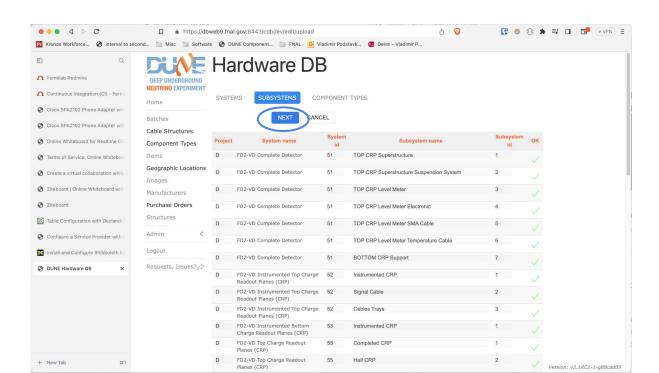
Excel Spreadsheet Upload (3)

Review the list of systems that will be created:



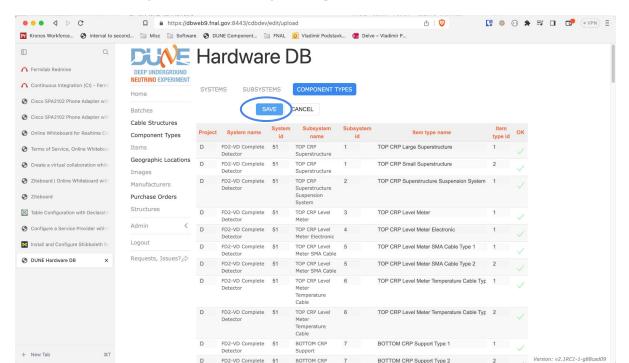
Excel Spreadsheet Upload (4)

Review the list of subsystems that will be created:



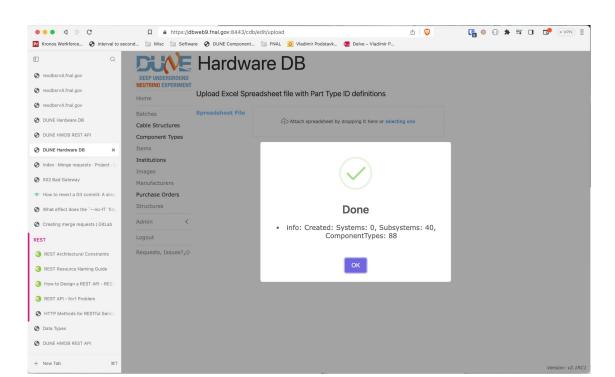
Excel Spreadsheet Upload (5)

- Review the list of component types that will be created:
- And finally save everything



Excel Spreadsheet Upload (6)

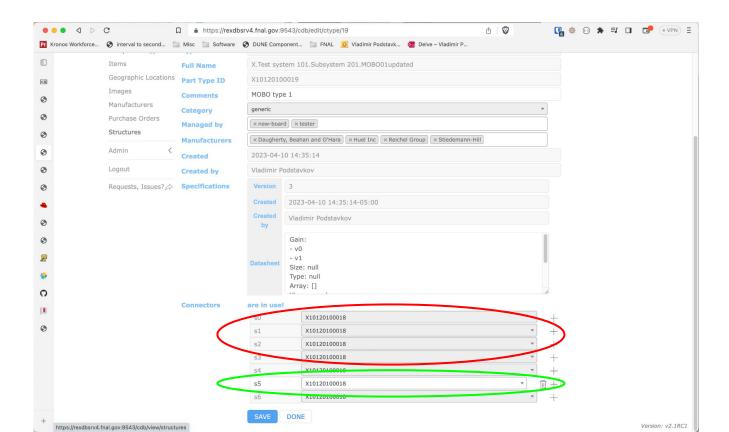
If everything is OK, you'll see a confirmation message:



Independent connector definitions for Component Type

- In previous version the connector definitions was handled as a single object.
 - To protect data integrity, no changes were allowed if any of the connector definitions were used to build part of the detector hierarchy
 - This turned out to be too restrictive
- In new version the definitions are now independent.
 - A new one can be added/changed/deleted without affecting the rest, if it has not been used yet!

Independent connector definitions (2)



Top Level Workflow for Component Types

- The Architect uploads Excel Spreadsheets
 - This creates a set of Component Types stubs
- Administrators finalize the type definitions by
 - Assigning necessary attributes to types
 - Adding connector definitions if necessary
 - Assigning the user roles to the types
 - Defining the tests if necessary
- Users with the corresponding roles can now
 - Create the Components
 - Do the tests if necessary
 - Declare the components ready to be used
- Build the assemblies of components by
 - Mounting the sub-components on corresponding components...