TubePro 5.5R1 Release Notes

Build 5.5.0.894, released on September 15th, 2021

Minimum System Requirements

- **Operating systems**: Windows® 7 SP1 and all necessary updates, Windows 8.1 and Windows 10 version 1607 (Anniversary Update) and 1703 (Creators Update) (32-bit and 64-bit editions
- **Processor**: Core i5 (or equivalent)
- **Memory**: 8 GB (recommended: 16GB recommended for very large tube maps)
- **Disk space**: 15 GB (recommended 200 GB)
- **Display**: 13" (recommended: 15")
- **Resolution:** 1366 × 768 pixels (recommended resolution: 1920 x 1080 pixels)
  - For extensive analysis purposes, we recommend using an external monitor, 22" or larger with a minimum resolution of 1920 × 1080 pixels

New Features

- Optimized database management with project properties now available in the templates, improving efficiency and standardization of final reports
- Representation of tube-to-tube heat exchanger inspection results, allowing users to compare data over time
- 3D modeling of Water-tube boiler
- Complete report header editor for the Inspection Data table
- New workflow available to import rescan data in a project
- U-bend defect link between top and bottom rows
- Report and legend macro to calculate the total inspected distance
- Display of the shell, solid or transparent, on the 3D models
- Buttons added to ''bring to front / send to back'' image items in Drawings section

Improvements

- New "Search and Replace" tool in the Inspection Data section
- Page numbers in the Inspection Data section is linked to the rest of the report
- Automatic text wrapping in column headers
- Increased PDF detection capabilities
- IRIS import structure
- Feature-based defect positioning
- Rear tubesheet view now available
- New option to rapidly add percentage values to Legends

- Numbers or text displayed within legend shapes are now better centred
- Cohesion between Drawings and Legends colors
- Individually configure the font color for each legend items
- 2D map drawing objects fit more closely the tubesheet size
- Volts and Degrees now available as units for the columns in Inspection Data table
- Option to select multiple single tubes now also allows to deselect single tubes
- The Align tool from the View ribbon in the Map Advanced section is unchecked by default
- Ribbons and buttons reorganization for more intuitive experience
  - Edit Report tool moved to the Project ribbon and renamed Edit Report Layout
  - In the Report Editor, the Options ribbon has been renamed Columns
  - In the Report sections, the Print Preview button has been moved to the Page Layout ribbon
  - Views buttons have been removed from the Drawings section

Dropped Features

None in this version.

Resolved Issues

- *Inspection name* can be removed from header when printing the *Inspection data* in a PDF report.
- *Inspection Data* columns properly displayed when printed
- Importing Magnifi data in TubePro supports zones with alphabetical format
- Several corrections for import from CoreStar MDB
- Fill Column tool now works properly
- Import data from Magnifi TXT
- Import multiple inspections from different technologies, including IRIS
- Add sections to the tube map functional
- *Link Cell to Property* works as soon as it is applied
- Modifications applied to a field of the Multi Section View editor take effect when clicking on "OK" (even without pressing "Enter" after editing the field)
- *Multi Section View* editor no longer applies or keeps modifications when clicking on Cancel
- Print menu no longer shown twice when printing directly from the *Drawings* section
- *Duplicate Selected item* in Project Browser now works for all supported elements
- Tube list for grid pattern now properly generated in Magnifi when using the link with Magnifi
- Modifications to data number formatting to correctly export the information into CSV file
- Rotate selected tubes no longer does a translation instead of a rotation

- *Inpection Data comment* column correctly updating when adding defects from the Map section
- Bug when moving certain sections of tubes corrected
- Tool to add tubes along a circle has been fixed
- 3D model now refreshing when changing values in the Project Browser
- 3D model generated in the PDF
- 3D model correctly refreshed after editing the 2D Map
- The following issues have been resolved:
    - License validation error at start-up (time-zone)
    - File loading issues with PC set in CA-FR
    - Errors detecting tubes from PDF on some files
    - Project files getting corrupted
    - HASP key no longer recognized by TubePro after some Windows updates

Known Issues, Limitations, and Restrictions

- Images in Drawings displayed in black after generating in a PDF
  See the available workaround in the product documentation
- Pictures included in a TMI report
  Pictures from a TMI file are inserted only as bitmaps in the drawings and the report. They are not update as a report element available from the Project browser.
- Features of the 3D model
  As the TMI file does not include the 3D model, the report created after the import of the TMI file does not include the features (nozzles, support plates, u-bend, …) associated with 3D model. The 3D model will automatically be created, but it will not include any of the features. User can quickly add those features to adjust his 3D model.
- TMI Import
  The import process of a TMI file might leave some links aside. Some of those links might have to be recreated in order to have all the features working properly.