

# New Features in AFT Impulse 6

- **General interface**
  - Improved tab interface and enhanced Quick Access Panel functionality
  - Improved search includes pipe and junction notes, names and numbers
  - Output reports in German and Chinese languages
  - Main menus are translated into available output languages
- **Graph Results**
  - Multiple Graphs Sets can be added to Graph Folders for easy generation and display
  - Multiple graph tabs on primary window Graph tab
  - Multiple parameters can be stacked on separate graphs using the same X-axis
  - Secondary Y-parameter for most graph types
  - Multiple graphs tiled on same Graph tab
  - Multiple graphs can be animated at the same time
  - New graphs can be defined directly from the Workspace
  - New parameters such as Kv, Cv rate of change, valve position, liquid accumulator volume
  - Easy formatting of titles, axis labels, and plot lines
  - Plot series lines can be turned on/off for quick inspection
  - **Graph controls now located on the Quick Access Panel for easy graph definition and changes**
  - **Animations can be saved in MP4 and QuickTime formats**
- **Scenario Manager**
  - **Scenario manager shows which scenarios have output**
  - Ability to create child scenarios without results saving duplication and load time
- **Workspace**
  - New paste preview mode allows the pipes and junctions to be placed where desired and will indicate interference with existing objects on the Workspace
  - **GIS shape files can be imported to create a model**
  - Text alignment options in annotations
  - Annotations can be layered on the Workspace
- **Output**
  - **Results Diagrams which graphically show data for pumps**
- **Visual Report**
  - **Automatic Color Map generation**
- **Pipes**
  - Design Alerts are specified and named globally and applied to pipes
  - New Design Alerts available
- **Junctions**
  - New Turbine junction type
  - **Surge Anticipator valve capability added to the Relief Valve**
  - Remote pressure sensing capability added to the Relief Valve
  - Improved clarity for data entry in the Reservoir/Tank Property window
  - Automatic generation of Cv vs. Time using equal percentage or linear profiles
  - New events based on Cv or Kv
  - Maximum pressure setting for Gas Accumulatorssimulates a relief valve
  - When the speed is set for a pump, both the original and modified pump curves are shown on the Pump Property window
  - **Design Alerts can be applied to junctions**
- **Forces**
  - **New Force Summary report available in the output showing all applied force sets**
  - **New Design Alerts can be applied to Force Sets and shown in the Force Summary**
  - New Force report in Model Data showing the input details
  - Force definitions can be imported from an Excel file