

## Release notes Wanda 4.6

### December 2019

#### **Release announcement**

Deltares is pleased to announce the availability of Wanda 4.6. This is a feature-release on Wanda version 4.5. In Wanda 4.6, Deltares has made many improvements and added several new features to Wanda.

#### **Downloading**

Wanda 4.6 is available via the Deltares software portal, which is available at the following location: <https://download.deltares.nl/en/download/Wanda/> . You can use the download key you received by email to download the software. If you have not yet received a download key, please contact the sales team via [software@deltares.nl](mailto:software@deltares.nl) .

#### **Installation**

Read the separate installation guide to install Wanda 4.6. The installation guide is also available on the download portal, or on the Wanda wiki via <https://publicwiki.deltares.nl/display/WANDA/> .

Helpdesk support is provided via [software.support@deltares.nl](mailto:software.support@deltares.nl)

Organizations with an active service package subscription can use their existing license files to run Wanda 4.6.

#### **What's new in Wanda 4.6**

##### **General changes & improvements**

- Fixed issue where Wanda would crash on startup due to a Windows update (WANDA-3362)
- Improved setup process, Windows installer (WANDA-377, WANDA-3264)
- New matrix solver and numerical improvements, results in significant performance gains for Wanda models with multiple pipe components or many pipe elements.
- Speed improvement in pipe by more efficiently calculating of the friction factor.
- Improvements to T- and Y-junction components, results in more stable behaviour in steady state and significant performance improvement.
- Bug fix to T- and Y-junction components. Cavitation around a T- or Y-junction could result in a singular matrix. This is solved.
- Stability improvements for the Free surface conduit
- Updated user interface to the latest version of iGrafx Flowcharter (WANDA-3410, WANDA-3347, WANDA-3340)
- Fixed case conversion issue with older models, Pipe profile of pipe invert was not converted to centreline (WANDA-3418)
- Fixed issue with VENT component, where an incorrect initial state would result in a singular matrix without error message (WANDA-3354)
- 2COND control component behaviour was incorrect, not in line with manual (WANDA-394).