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# Well Integrity Visual Analysis (WIVA) software

## Applications

- Well integrity evaluation
- 3D imaging of casing inspection data from multiple tools
- Export of images for client reports and visualization file

## Benefits

- On-screen control of the 3D image, high side indication and pipe orientation
- A variety of imaging options including mirror imaging, sectional views, lighting effects and sensor value annotation
- Multiple windows of data can be viewed simultaneously
- Colour maps to identify nominal and anomalous pipe sections
- Features editor for annotation
- Use of zoned variables for automatic scaling
- Playback from CD or USB memory

Graphical visualization is an excellent way to communicate the vast amounts of complex data acquired from the **Multi-finger Imaging Tool (MIT)** and **Metal Thickness Tool (MTT)**. The **well integrity visual analysis (WIVA) software** has been developed to generate 3D views of casing and tubing surfaces in order to visualize completion equipment, perforations, pipe damage, and other anomalies.

The WIVA software application is a very powerful Microsoft Windows® based software package that has been developed by Sondex to allow users the ability to simultaneously view data from the MIT and MTT casing inspection tools. These tools are capable of determining changes in pipe condition—internal diameter and metal thickness—in order to determine damage. A variety of functions in the software allow the user to view the pipe in a number of ways in order to assess anomalies and areas of damage. Internal and external casing data can be displayed together or separately; grid references applied; 3D pipe views split into sections and rotated 360 degrees. Multiple windows can be open in the WIVA software application allowing the user to handle data from different tools and/or different section views. The WIVA software application also has an automatic demonstration mode that can run saved data files with applied control features—grids, pipe rotation, section views, etc., without the need for user interaction.

To learn more about how the WIVA software application will provide maximum understanding of your wellbore integrity, contact your Sondex representative or visit sondex.com.

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