

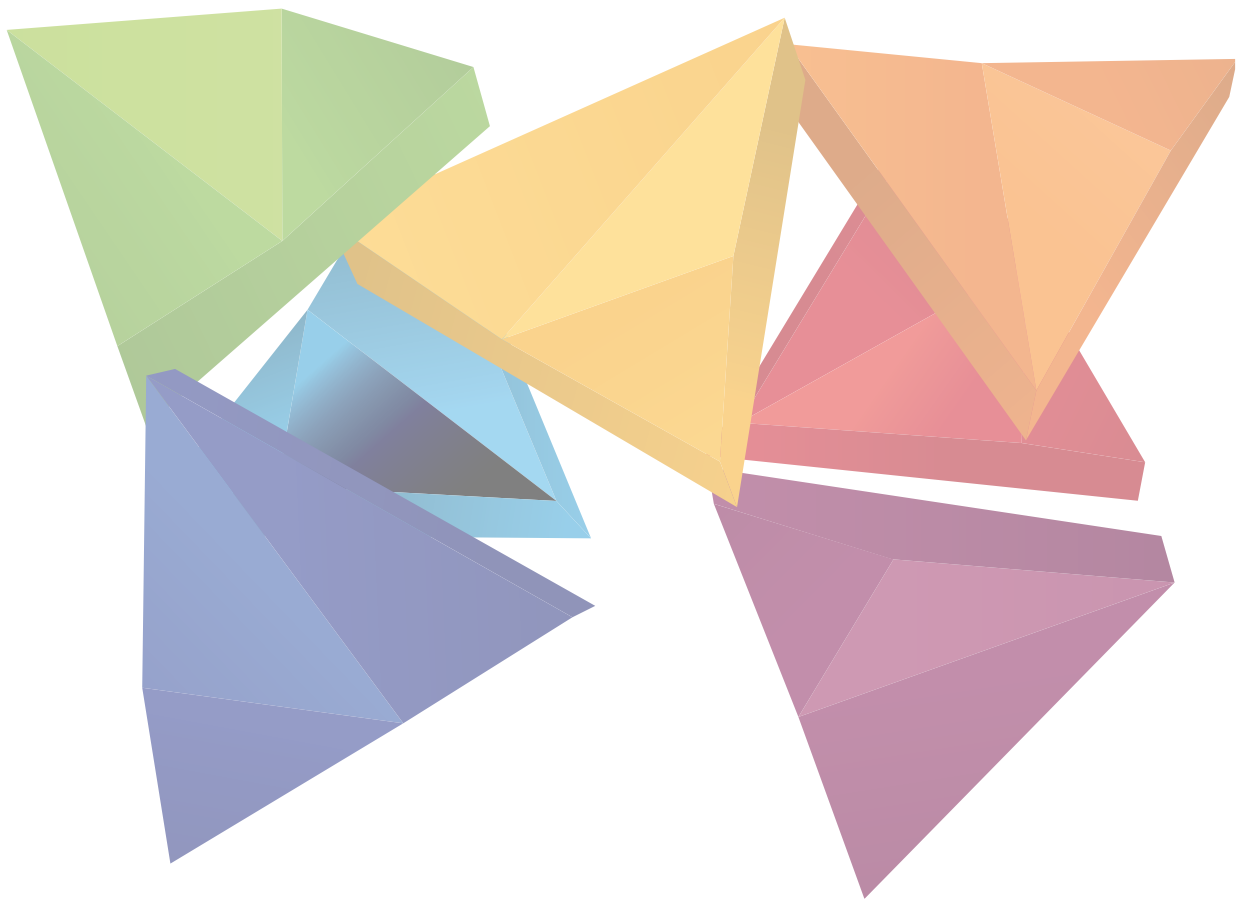
WOOD GROUP



WG INTETECH

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Underground Gas Storage and Well Integrity Toolkit (iWIT®)



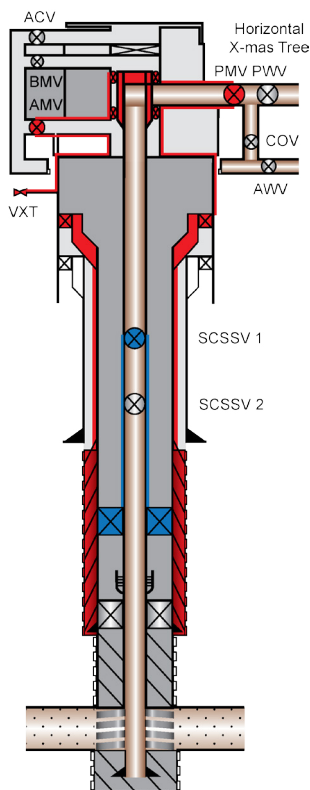
Wood Group Intetech

Wood Group Intetech (WG Intetech) has been working with oil and gas producers for more than 20 years, helping them to enhance the safety and improve the efficiency of their well operations. Our specialist engineers, consultants and software solutions support effective integrity management, corrosion monitoring and materials engineering, addressing the full range of issues that challenge the integrity of wells.

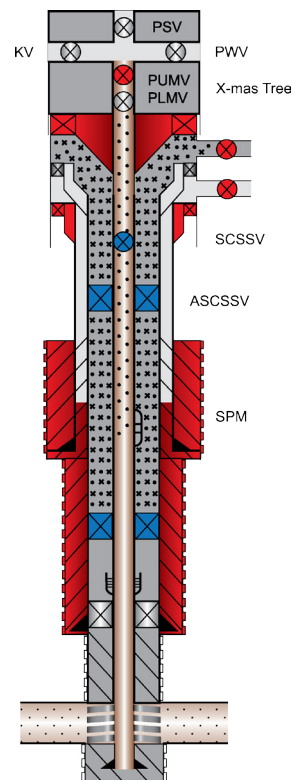
Underground Gas Storage and Well Integrity Toolkit (iWIT®)

The WG Intetech Well Integrity Toolkit (iWIT®) is the leading asset integrity management software solution for underground gas storage (UGS) operators internationally. A highly configurable system, iWIT® can be customised to the existing data systems and functionality requirements of individual clients, adding real value to operations.

As well as successfully delivering iWIT® to Europe's largest operators, our experience with oil and gas operators across all seven continents emphasises the versatile nature of the software. iWIT® has been installed both onshore and offshore, at new and mature facilities, some with no automation in place and some which have been automated for over a decade. Our installation history and track-record have enabled us to understand and accommodate our clients' diverse range of requirements and existing data sources.



Subsea Production Well



Gaslift Production Well

iWIT® Key Features:

- Complete visibility of well integrity management processes
- Integration of data from automated systems and manual sources
- Rapid, systematic and proactive identification of production threats
- Notification of wells operating outside safe parameters
- Granular data from field to individual well
- Comprehensive and easy-access well information for analysis
- Data on well-stock status at any point or time period
- Flexible data tabulation and graphing options
- Clear reporting formats

iWIT® Key Benefits:

- Enhanced cash flow for oil and gas field operations
- Improved safety
- Early detection of well integrity failure
- Reduced incidence of well failure
- Support for proactive maintenance
- Identification of developing well integrity problems and trends
- Increased production and reduced number of well shut-ins
- Improved control of contractor activities

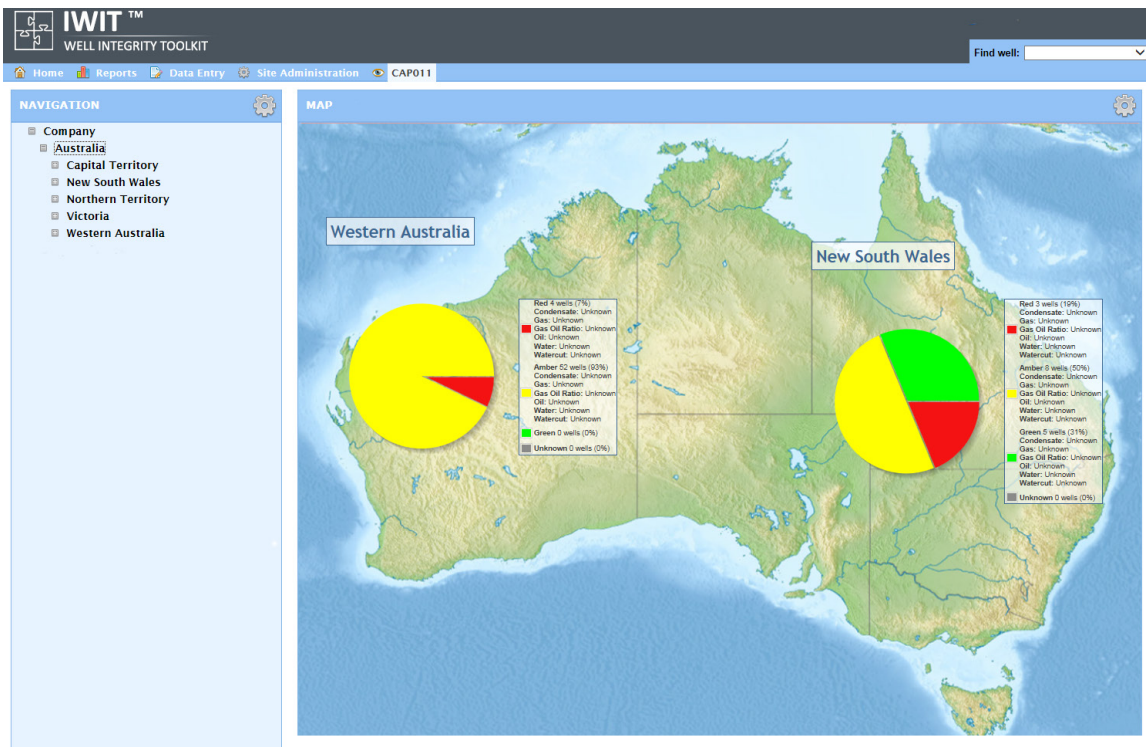
Analytical Capability

iWIT® is more than just a user-friendly way to access databases of results – it carries out real-time analysis of data. Mean Time to Failure analysis is available for evaluating the reliability of tested valves such as SSSVs.

Annulus pressure data is trended and comparisons can be drawn between wellhead pressure or temperature readings and annuli pressures, to distinguish thermal and sustained annulus pressure. Evaluation of the correlation of adjacent annuli pressures readings, helps to identify communication.

Corrosion evaluation of production tubing is based on real-time production data sourced from semi-continuous or daily readings.

MAASP calculations can be completed on real-time data and allow for tubular wall thickness loss ensuring safe operations as the well matures.



Data Integration

The iWIT® software can interface to existing database systems, including Maximo, SAP, PI, IP21 etc., so there is no duplication of data and minimal data entry effort. Where current data collection systems are manual, we will pre-load the software with legacy data to ensure the handover and delivery of a fully functioning system.

Task Scheduling

Tracking gas field testing and maintenance activities is easy with a customisable schedule of upcoming/current and overdue tests, and maintenance activities and repairs, including:

- SSSV, xmas tree and wellhead valve tests/greasing
- ROV and/or visual inspections
- Ad hoc tests for individual wells
- Annulus pressure readings
- Site inspections
- Wells operating under dispensation

What iWIT® Users Say

What were the main drivers for deciding to purchase iWIT®?

“The main reasons were the user-friendly interface to enter data and the feedback received from colleagues who have previously used Wood Group Intetech.”

What are the main benefits (especially as a UGS operator)?

“Having a single system for all collected data about the component features of the wellhead, with their status and pressure trends.”

Do you expect to expand the use of iWIT® across your other operations?

“Yes, we will expand to all the wells we operate.”

Would you recommend iWIT® to other UGS operators?

“Certainly.”

Andrea Gabbiani, Well Integrity Manager, Snam Rete Gas, Italy

Training can be arranged for groups of individuals depending on user requirements. Ongoing support is provided by our software team.

Contact info@intetech.com to find out how iWIT® can deliver well integrity management to your UGS facility today.

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Integrity