

wood.

# GoTechnology<sup>®</sup>

Digital completions management system  
at your fingertips



# GoTechnology®

GoTechnology® hub2 is Wood's digital completions management system providing a solution for the management of preservation, construction, pre-commissioning, commissioning, certification and handover. Built on over 30 years of experience, the software has been developed to verify the technical integrity of projects in the digital era.

To succeed in your mission of achieving start up and commercial operations, GoTechnology® provides a solution to demonstrate a facility is certified, installed and tested in accordance with safety and design specifications.

GoTechnology® provides a framework that can be applied to any industry – adaptable to large capital greenfield projects and small brownfield modifications through reliable technology and best practice processes.

GoTechnology® software is a proven toolset for planning, managing and certifying projects.



## Key benefits

- **Aliasing** – reconfigure to use your own terminology for key fields
- **Integration** – a full RESTful application programming interface (API) provides the ability to develop integrations with other components (such as enterprise data warehouse (EDW), document management systems and planning tools) out of the box
- **Custom fields** – add new fields specific to your project, client or industry
- **Reports** – create custom reports, as well as schedule reports
- **Dashboard** – highly visible graphical dashboards provide instant overviews
- **Efficiency** – 'level' system of data organisation allows re-use of key data saving time and ensuring consistency
- **Digital** – configure digital documents for information tracking and completion provides a truly paperless experience
- **Flexible sign-offs** – choose the number and nature of approvals for certification
- **Handovers** – easy configuration allows for setup, import, export and generation of all project information
- **User interface** – low click navigation allows quick and easy movement between important screens
- **Notifications** – receive email notifications for key events such as assignment of tasks and task completion
- **Deployment** – accelerated setup times achieved through out-of-the-box solution

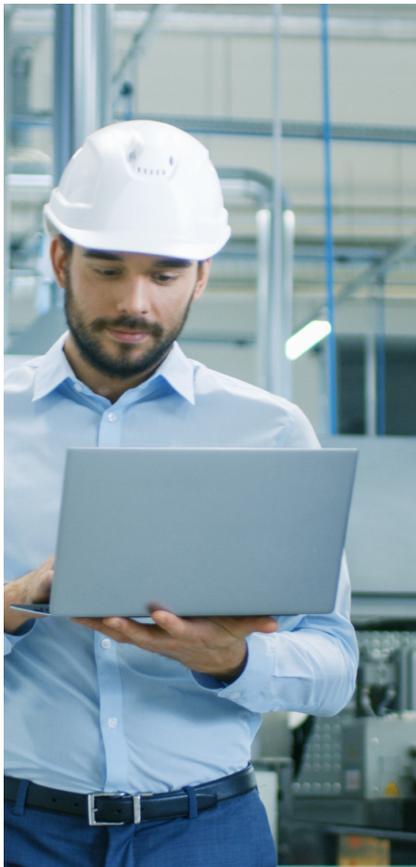


## Web-based tool that is efficient and secure

GoTechnology® is an online application – that means no additional software installation, no firewall rules to configure, and it is accessible from any internet-enabled device.

Once set up, it can be rolled out to users with different levels of access who can use the tool as per their requirements. Whether it's replacing the paper check sheets, or automatically providing reports, information is quick and easy to understand. All data is encrypted in transit, with tailored access to specific groups and users, making it completely secure.

We provide around the clock support through our global network, with a dedicated development team based in the UK. We are focused on continuous improvement, and regularly develop new features and updates while the application is in use.



## GoTechnology® hub2: Complete management through a single solution

GoTechnology® hub2 allows you to track, monitor and report on all elements of your project, asset, facility, region or even the entire portfolio – from design through to operations – from a single web-based, remotely accessible solution.

Tagged equipment, certification, punch lists, management of change, preservation, procedures and job cards can all be managed from within the application, and reported or exported with custom settings you control. All of these can be managed paperlessly and transferred automatically in real time to third-party applications.

The scalable architecture lets you manage everything from large scale greenfield projects or complex modifications to maintenance shutdowns and decommissioning scopes. A fully flexible permission system allows custom roles to be created and assigned, as well as individual permissions allocated for all sections, actions and areas of your data.

## Drive your project performance, your way

GoTechnology® provides cutting edge project management tools in a way that suits your needs – delivering performance, integration and flexibility for predictable results. The fully synchronised and centralised data management hub allows you to input, track and report on progress, building from design stage through construction and completion into operations. Combining traditionally proven commissioning skills, best practices and expertise with today's technologies, GoTechnology® offers a robust, real time solution that meets all the requirements for project and operational integrity.

The application accepts a wide range of inputs from engineering data warehouses, fabricators and vendors, integrating all data across the project lifecycle to improve consistency and assurance.

The result is a single source of truth across the whole commissioning process.

## Technology is (part of) the answer

The GoTechnology® suite brings highly co-ordinated and efficient management to your commissioning project; at this stage it can make a real difference to managing, co-ordinating and monitoring all completions activities. However, we believe the best performance improvements come through building technology into the process, taking a broader view of the workflow and adapting both hardware and software to support all the way from early development and engineering through to operations handover.

Our technologies do more than simply speed up a part of the process – they are aimed at transforming the whole workflow to deliver greater visibility, complete control and real-time support at every stage. With the right implementation, customers can experience a major step change in performance, but more importantly create greater certainty and assurance around project outcomes.

## World-class software

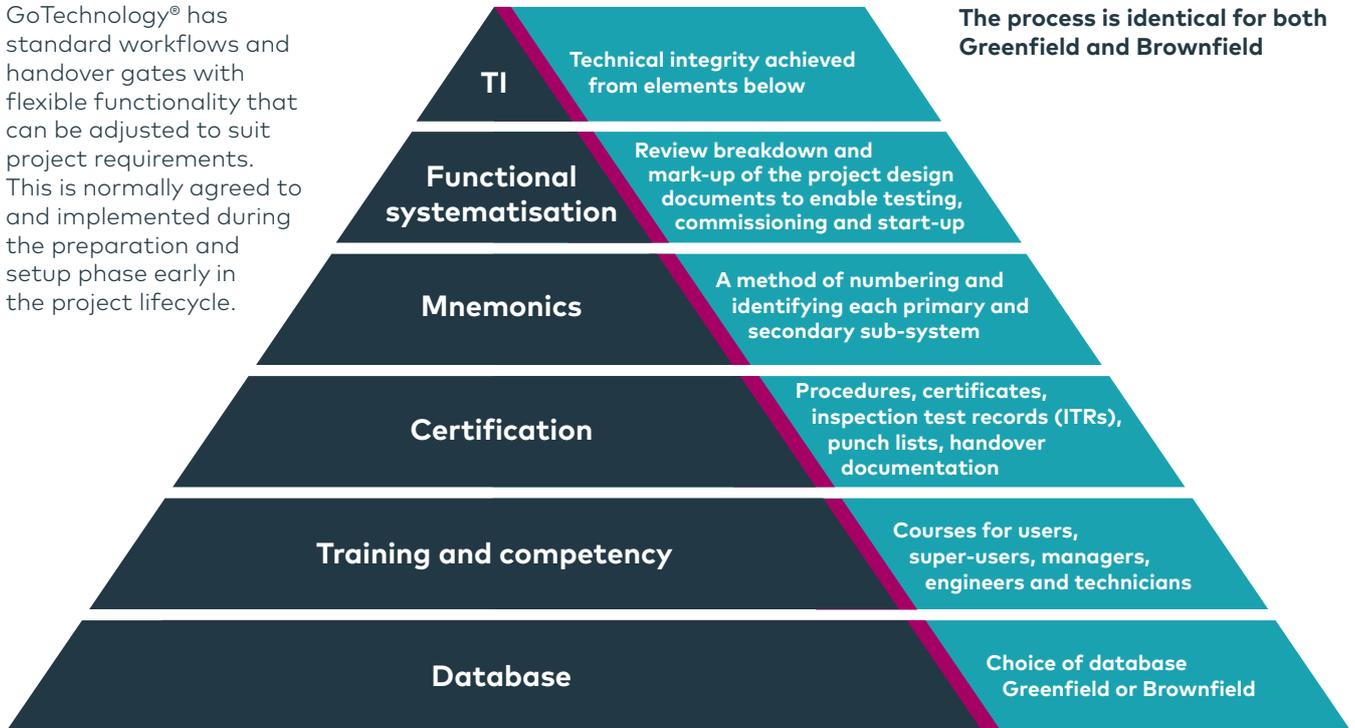
- Flexible architecture – fully scalable for size and complexity
- Seamless integration – input from multiple data sources and software types
- Real time processes – instant updates and simplified reporting
- Device independent – track progress on mobile devices and digitise the workflow
- Customisable interfaces – match terminology and align to best practices



# GoTechnology®

## Key elements

GoTechnology® has standard workflows and handover gates with flexible functionality that can be adjusted to suit project requirements. This is normally agreed to and implemented during the preparation and setup phase early in the project lifecycle.



## Principles and key elements

GoTechnology® is a quality assurance and technical integrity system for managing the completions process. A central data source web-based application ensures your project achieves start-up to schedule.

GoTechnology® provides QA/QC compliance by managing the delivery of a safe and operational facility, including the definition and recording of preservation, mechanical completion, pre-commissioning and commissioning inspection, testing, punch listing, work prioritising and system availability reporting real-time data.

Operating from a central data source it offers the choice of using either an inspection test record (ITR) or a reduced certification.

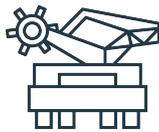
## Typical industry sectors

Operators and engineering, procurement and construction (EPC) are common users of the system, which provides completions management solutions to de-risk project delivery. Today's industry looks to integrate and manage information processes through common systems, and GoTechnology® is at the heart of technical integrity verification.

### Oil and Gas



### Mining



### Life Sciences



### Infrastructure



### Power



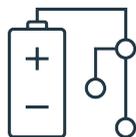
Conventional



Nuclear



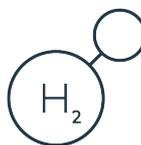
Carbon capture utilisation and storage



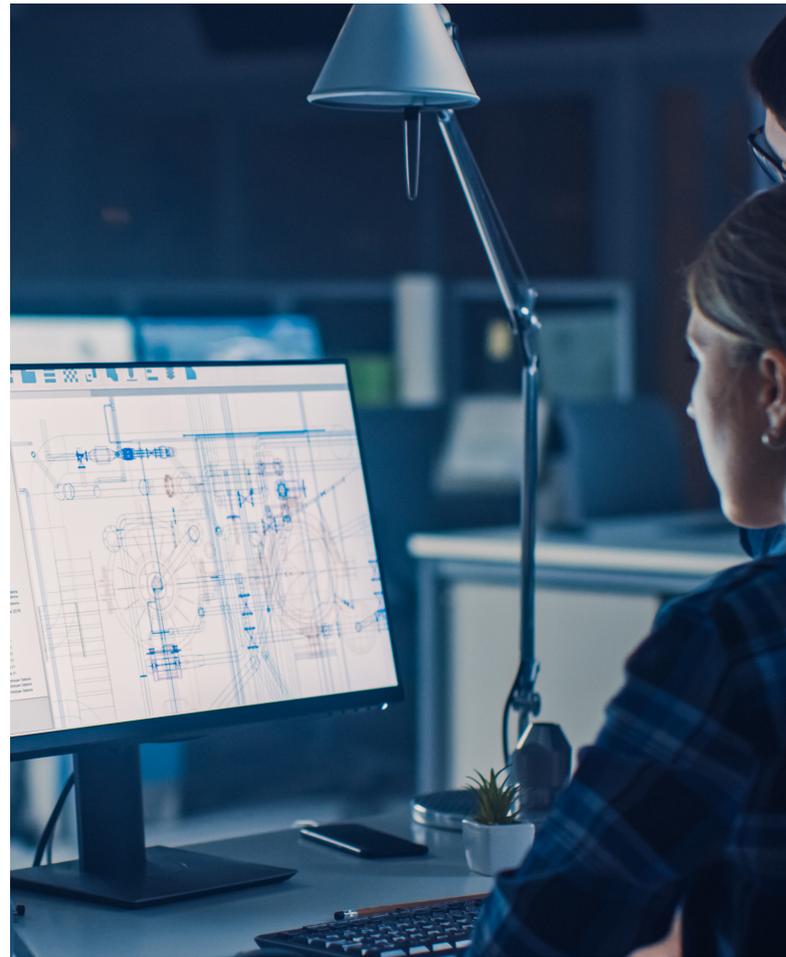
Transmission and distribution



Renewables



Hydrogen



## Typical completions project setup

### Project start-up – Phase 1

Functionality selection for database defined – handovers, ITRs, etc.

Database released

### Data preparation – Phase 2

**2A** – Set up engineering interfaces, define systemisation and work breakdown structure (WBS) and import engineering data. Set up users and profiles. Populate asset and project reference tables, punch lists, management of change, etc.

**2B** – Assign equipment tags to equipment type matrix and generate the inspection task records for worksite completion. Assign to handover packages and release for execution.

### Execution – Phase 3

Execute project phases of preservation, construction, pre-commissioning and commissioning via issued certification. Updates to database and relevant punch lists created. Handovers and walkdowns generated.

# GoTechnology®

## Key features

### The dashboard is split into six sections

#### Handovers

This section shows up to six types of handovers, listed by 'gate' and then alphabetically. Each dial shows a percentage of how many handovers of that type have been signed off as 'complete'.

#### Tag ITRs

The first dial here shows the total percentage of ITRs signed off. After that, it is broken down by ITR class. Up to five different classes can be shown at once (you set up your ITR classes in the reference tables), and they are ordered in the same way as the handovers (gate, then alphabetical).

#### Punch list items

Similarly, the punch list dials show the total and then the punch list categories (as defined in your punch list categories reference table). They are listed alphabetically.

#### Management of Change (MOC)

MOCs follow the same pattern – overall total and then a total for each MOC type. Once again, the total represents the number of MOCs that are closed.

#### Mini skyline

Here, there is a cut-down version of the interactive skyline (which you can find in Reports > Skyline; there's also Filtered Skylines in Reports > Report List at the bottom of the page) which is fixed to show only one type of handover (in the screenshot, it is MCC, which is a mechanical completion certificate). If you are an administrator, you can choose which handover is displayed on the dashboard in the Level E configuration screen. Skylines show a left-to-right view of a project. Each box represents a handover, and they are grouped together by the date they are due (ie. the planned finish date for the handover; you can set this value in the handovers section, or via the handovers imports).

#### Mini planned vs actual

A smaller version of the planned vs actual report (the full version is available in Reports > Planned vs Actual) which is fixed to only show one type of handover (in the screenshot above it's MCC). If you are an administrator, you can choose which handover is displayed on the dashboard in the Level E configuration screen.

The planned vs actual reports show the total ITR completion over time. This is actually the same information as shown in the skyline, but instead of being broken down into individual handovers, it is totalled up and displayed in an 'S-Curve' format.

### Real-time completions progress

#### Dashboard

Go Technology® hub2 reporting is first represented by the visible dashboard upon log in, which serves as a 'health check' for your specific project.



#### Reporting

GoTechnology® hub2 provides a variety of reports and report creation tools, using data collected and aggregated through direct entry into the application. Information can be input and uploaded from mobile devices, submitted via hard copy scans, or via connected external applications such as planning tools and engineering data warehouses.

Reporting can be done traditionally in PDF and Excel as detailed reports, customised reports and scheduled reports. Real-time progress reporting is recommended with the use of the main dashboard and the interactive skylines, completions grids and agile Kanbans available.



## Online

- Accessible anywhere on any device 24/7
- Accessible through any internet browser
- No installation or complicated setup
- All training online

## Consistent

- Single source of truth, reducing time spent comparing multiple documents
- Access can be granted to third parties (partners, clients, sub-contractors) as and when required
- Full audit trail recorded automatically
- Time saved transferring data between different stakeholders
- A single location to store all information
- No 'rework' of report outputs to different formats

## Mobile

- Configure digital documents for information tracking and completion for a truly paperless experience

## Transparent

- Genuine 'like for like' comparisons can be made over different scopes, or past projects
- All individual signatories, dates and times are recorded
- Customisable reports
- Dashboards and Kanbans to help visualise progress

## Secure

- All data encrypted at rest and in transit, to fully protect your information and your clients' information
- Full geographically redundant backups and disaster recovery plans included
- Secure password protected access with customisable permissions

## Accessible

- No geographical or organisational 'blockers' – you control who you want to have access, regardless of where they're based or who they work for
- No special software or configuration required

## Connected

- Full REST API allows out-of-the-box integration with external tools such as engineering data warehouses, maintenance management systems, planning tools and others
- Reduce work hours and human error through direct data transfer

## Intuitive

- Modern look and feel, easy to operate for users of all experience levels
- Options to change key terminology to match your industry vernacular
- Unlimited eLearning included

## Scalable

- High performance flexible architecture to fit projects of any size
- Easy to copy, share and reuse data between projects
- Suitable for new builds and conversions



## GoTechnology® mobile capability

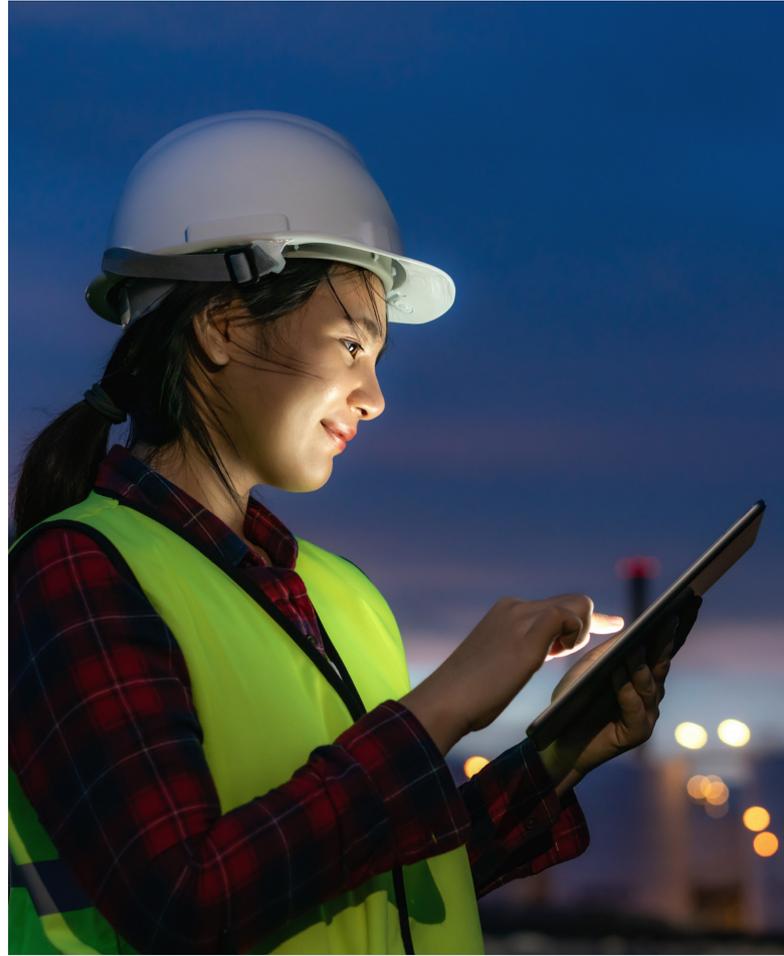
For means of effective execution, Wood has developed a GoTechnology® mobile application that allows technicians in the field to progress their tasks in real time and avoid the need for reworking certification.

The mobile application is an extension of the main database to aid users to complete progress. The mobile app is available online and offline for field inspections regardless of connection. All data is 'synchronised' and uploaded when a connection is re-established.

**The mobile app is used to assign certification to specific personnel to assure alignment of responsibility across the workforce.**

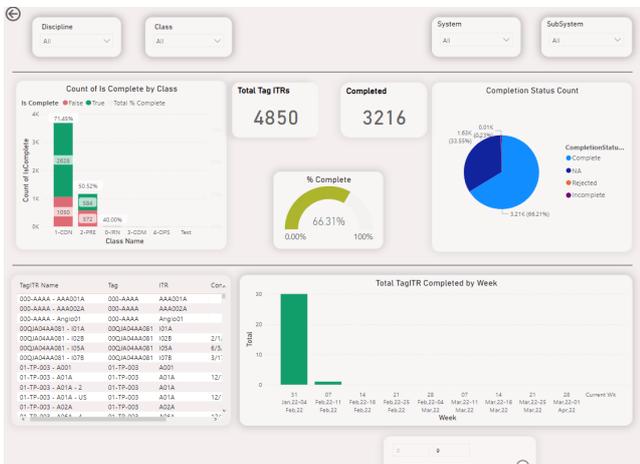
At site location, the GoTechnology® app can be used to:

- Progress ITRs
- Raise and close punch lists items with the option to add images
- Progress preservation tasks
- Record findings, progress and upload photos during each task



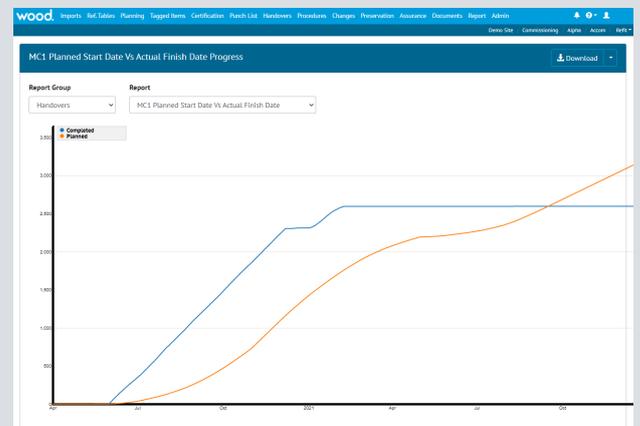
## PowerBI configuration

Create your own dashboard solutions with our PowerBI interface. Select the data that is most effective to monitor for your project, and turn this source data into enhanced visual graphical displays for ease of monitoring and control.



## Planned vs actual full reports

The full version of the Planned versus Actual report is available in Reports > Planned vs Actual Progress. You can choose which handover/preservation to display using the drop-down menu on the top right-hand of the screen. Planned progress is shown in orange and completed (actual) in blue.



## **Wood. Powered by possible.**

Wood is a global leader in consulting and engineering across energy and the built environment, helping to unlock solutions to some of the world's most critical challenges. We provide consulting, projects and operations solutions in more than 60 countries, employing around 40,000 people.

[www.woodplc.com/gotechnology](http://www.woodplc.com/gotechnology)

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