



IAMTech

EXPERIENCE NOT THEORY.

iPlanSTO

Increase tool time with proven software, that will help you scope, plan, schedule and execute your next Shutdown, Turnaround or Outage more effectively

iamtech.com



IAMTech understand Shutdown, Turnaround and Outage challenges

- Which is why our clients avoid disaster when planning & executing these time critical events!

iPlanSTO is a comprehensive suite of software tools that will help you scope, plan, schedule and execute your Shutdown - Turnaround - Outage, work orders more effectively. It is packed with features specifically designed to process plant, offshore units, refineries and mines, STO processes, whilst providing a real-time picture of where you are with your scoping, planning, scheduling & execution.

We've perfected these features over the last 20 years, through lessons learned from the software's use on 100s of STO's. iPlanSTO uses a proven industry workflow, developed in conjunction with BP.

Unlike other Shutdown - Turnaround - Outage software, iPlanSTO is a complete management solution for the entire project and asset life cycle. iPlanSTO allows asset owners & operators to scope, plan, schedule and execute your time-critical events, to an accuracy of +/- 10%.

iPlanSTO retains all historical Shutdown - Turnaround - Outage, work order & work package data. This history can be re-utilised time and again so that users can understand all historical works, estimated effort & costs, versus, actual effort & costs, & ability to capture lessons learned when completing works: improving accuracy of future planning!

This significantly reduces the time involved when re-planning events that have been previously managed using iPlanSTO. In turn, this saves significant costs by reducing the number of personnel required to successfully plan the next instance of an event.

Only **£75k**
per annum

- ✓ Unlimited users
- ✓ 24/7 - 365 Support
- ✓ Off line capabilities via free mobile app
- ✓ Free upgrades
- ✓ Provide 3rd party contractors free access
- ✓ Multi-site license discount



Effective proven interfacing with your ERP & Scheduling tool

iPlan is not intended to replace your ERP system, instead, it has the ability to communicate with your existing ERP (e.g. SAP, Maximo, IFS) plus your scheduling tool (Primavera P6 or MS Project) in a bi-directional basis.

iPlanSTO will import your work order information from your ERP system. From this point on, personnel do not have to interact directly with your ERP because iPlanSTO can automatically update work order statuses.



iPlanSTO Key Benefits

1: Manage all Shutdown – Turnaround – Outage, key stages, incl. job scoping, job stepping, estimation management (incl. norms), materials ordering, variation control, progress capture, time recording, right through to QA / QC, close out notes and learning.

2: Save planning costs: Save up to 89% of the cost of planning a work order on previously planned equipment.

3: Increase tool time & standardise estimation, using industry norms, to ensure that all personnel involved in your STO are estimating planned effort, for common maintenance activity types, using the same effort estimation basis.

4: Access to premium 24/7 year round support – call our help desk, email us, or message our dedicated support team from within the software. There is also a help function within iPlan where you can get help with common help topics.

5: Role Based Authentication will be set-up prior to the software going live and can then be administrated post go live by either IAMTech or your own administration team. You have the ability to specify access rights for whole teams or locations.

6: iPlanSTO has a **market standard STO workflow**, available out of the box; however it can also be configured to align with your existing STO process.

7: Measure productivity ratios of all personnel delivering your STO, because only when you measure your productivity, can you begin to improve it.

8: No user limits: Why license per seat when you can license your STO, your entire site, or your entire company? We don't limit the number of users who can access the software, enabling you to have everyone work on your STO in the same software system, including your third-party contractors!

9: Comprehensive iPlanSTO training is provided to ensure maximum value is gained from software adoption. End-users will also be provided with training cards that provide instructions on how to complete every key process within the software, step by step.

10: All users can access the system remotely via a secure cloud portal. Data in-putted in to iPlanSTO is held on secure servers and accessed via a secure website, using the same robust encryption methods as online banking systems.

11: Email notifications help drive the workflow, bringing huge productivity improvement to your STO teams' efficiency and saving on expensive downtime.

12: We price our software lower than our competitors and unlike them, we display our pricing on our website to create trust through transparency.

13: Join a community of global organisations that include Altrad, INEOS, PTTGC, BP, Sadara, UPM, HMEL & SBM Offshore. For over two decades we have learned from their best practice and incorporated this into iPlan so you can also benefit.

14: A full revision history and audit trail means that data entries, amendments and emergent work is logged with a comprehensive revision history, preventing a blame culture.

15: iPlanSTO comes with an **onsite mobile app**, that works offline at no extra license cost, to capture scope during the planning phase of your event, and live progress during the execution.

iPlanSTO Key Features

1: The Monte Carlo Risk Simulator enables you to evaluate by mathematical simulation, if your Turnaround scope is achievable, within the man-hours budgeted. Save wasting planner hours estimating in detail, work that is later de-scoped from your TA.

2: Scoping: Typically there's multiple sources of data for your turnaround work list, ERP work orders, Maintenance Orders, Excel, etc. We recommend clients analyse this data before adding it to their work list. Scoping is therefore a stage gate where users can check and challenge the job before adding it to their work list.

3: Materials Management: Capture material services against your planned operations, iPlan will at a click of a button produce you a Material Take Off report for all materials to be ordered to deliver your STO.

There are also various tools within the software to help you have better visibility of your materials traceability, such as a dedicated materials management dashboard, which helps you understand & monitor where materials are, from initial request to being bagged and tagged for the job site.

iPlan's Flange Management feature can be configured to automatically populate your BOM and iPlan also helps build your material take off while planning your activities & work orders. It can then be configured to automatically raise your purchase requisition.

4: Generates all of the necessary planning data to populate your P6 Schedule - iPlan can generate XML, structured to target your version of Oracles Primavera P6 Software, ensuring activities, resources, durations, start dates, finish dates, logic links are loaded in to your P6 Project file, saving schedulers having to build their P6 project file and schedule manually from your planning data.

5: Electronic scope and estimate approval is critical for ensuring work management efficiency and meeting reliability goals. Have work order estimates and bills of materials peer reviewed and approved in iPlanSTO to eradicate unapproved work.

6: The QA / QC (completions) module enables your commissioning manager to see the current real time picture of progress of your quality assurance, understanding system readiness without the time lag and cost of collating the information and presenting it in a report.

7: Create unlimited work pack templates to publish your activities in to a work pack template, you can create multiple templates for your event, or use the same one for all work orders. Organise packs by trade, plant, area, or just one work pack design for your entire STO and include as many supporting documents as required.

8: Norms-based estimation helps estimators determine an activity's effort (effort = number of resources X duration), allowing less experienced estimators to determine the effort it takes to perform common maintenance activities, such as scaffold, mechanical, valve overhaul, painting or E&I.

9: Scaffold Management: iPlanSTO enables you to estimate, hire, inspect and manage scaffold equipment and structures, sharing data in real-time, with all users.

10: Joint integrity management means the inventory of joints is permanently stored, so that their history can be tracked and each joint linked back to any agreed piping specification.

11: J-Factor (Justification Factor) is a methodology available during Scoping, to calculate the impact of a piece of equipment failing if it is not repaired or upgraded during the current event, versus the cost of maintenance during this period.

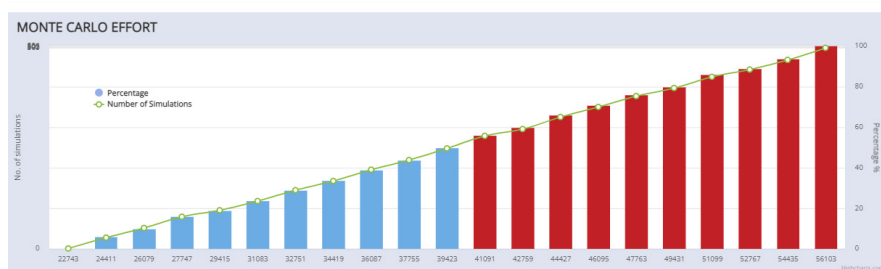
12: iPlanSTO has dashboards for Planning, Execution, Materials Management, Maintenance KPI's and more - used to monitor work pack production progress, emergent work, non-productive time, earned value, as well as S-Curves to forecast remaining effort & cost.

iPlanSTO Dashboards

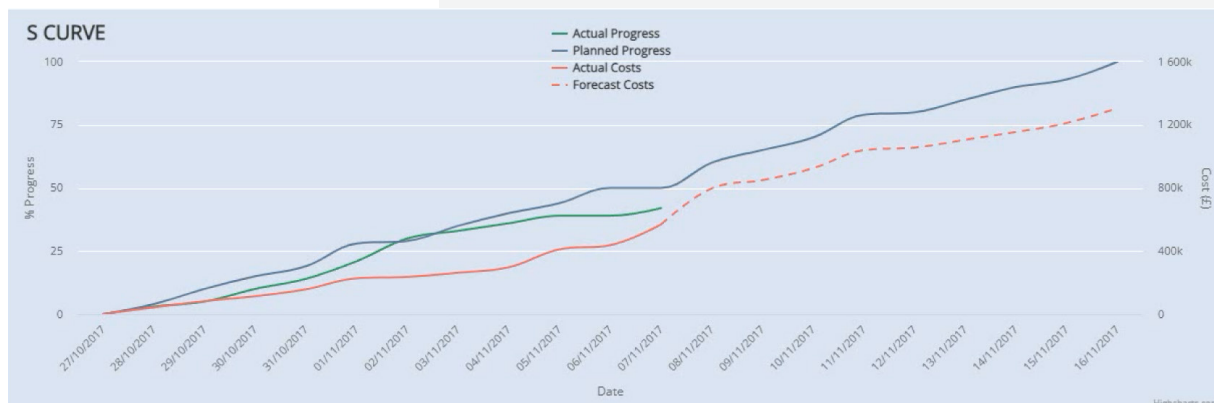
iPlanSTO users can log in and check productivity and expenditure in real time using an extensive range of reports and management dashboards.

The dashboards are designed to help users understand, instantly, where they are with Scope, Workpack Production, Technical Reviews, Materials Ordering, Maintenance KPI's, and Execution of their Shutdown - Turnaround - Outage events.

All users contribute to one plan, as opposed to decentralised pockets of information existing for the event and users can **visualise this information, using iPlans management dashboards.** This drastically reduces the admin burden as users are no longer required to data mine to gather out of date progress and expenditure; enabling them to spend their turnaround management meetings discussing purely 'what are we going to do?' Versus 'where are we?'



Monte Carlo Dashboard



S-Curve Dashboard



The easy-to-use interface has been specifically designed for mobile devices.

iPlanMOBILE

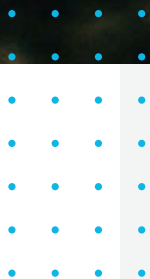
The iPlanMOBILE web application leverages the service worker technology for offline working. This allows iPlanMOBILE to sync work orders, their operations and much more, to the mobile device, enabling Shutdown - Turnaround - Outage data to be captured whilst out on your plant, without the need for an internet connection!

Once the sync step is completed, users can continue to use all of the functionality in iPlanMOBILE, without an internet connection.

You can capture scope when planning your event and capture live progress when executing your shutdown. Simply sync your device and take your work list on site.

Any data changes made, including any photos taken whilst on site and their annotations, are recorded on the device and pushed to the main iPlan database when the next sync takes place.

Your end users can even capture scope variations & emerging works, out in the field using iPlanMOBILE. An approval authority can then approve the work in real time, signing on screen, approving scope in real time to avoid delays to plant start up!



iPlanSTO has been designed specifically for Shutdown, Turnaround, Outage and TAR professionals within the Oil, Gas, Offshore, Power, Mining and Chemical industries. We have worked in industry for half a century and our software has been designed with this first hand experience; ensuring it is fit for purpose and addresses the real-world needs of our clients.

All iPlanSTO clients receive software updates at no extra cost on a bi-annual basis.

Ask about our iPlanSTO return on investment calculator, to find out how much you could save on each event.

To find out more about iPlanSTO please contact our STO experts

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