



O3 Solutions

www.o3.solutions



Turn **ON** the Power of O3 Solutions

This overview of O3 includes:

Who is O3? - A Brief Introduction

A Primer on Advanced Work Packaging & Agile Construction

O3's Solution Suite

- ONTarget - Agile Project Management
- Advanced Work Packaging Solutions
 - ONPlan - AWP in Early Phases
 - ONDesign - AWP for Engineering & Procurement
 - ONBuild - Workface Planning

O3's Mobile Applications for ONBuild:

- ONField - Mobile Workface Planning
- ONTools - Productivity Tracking
- ONSafe - Safety Tracking
- ONStart - AWP for Commissioning & Startup
- Enterprise Edition
- ONEnterprise Platform

O3's Partner Network

Contact Info for O3



Who is O3?

O3 is a modern web-based platform that leverages Advanced Work Packaging and Agile best practices to disrupt the status quo for companies in industrial construction who want to improve productivity, safety, quality, and predictability. We have experience in:

Change Management

Managing enrollments and certifications for 4,500+ users across 75+ courses

Collaboration

Supporting 3,500+ users across 30+ contractors on \$70B Oil & Gas project

Automation

Connecting 35+ data threads across 6 systems to manage data for LNG Project

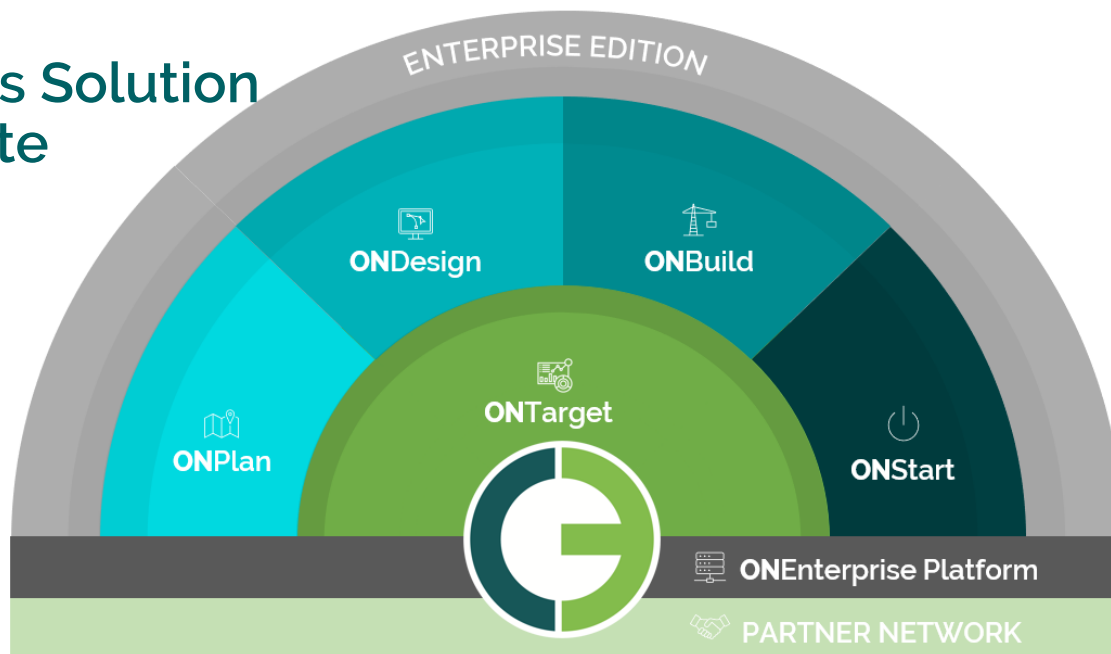
Scalability

Managing portfolio of 50+ small cap projects across 7 offshore assets

Optimization

Driving Owner engagement from concept through commissioning

O3's Solution Suite



What makes O3 different?

Zero Legacy Tech Debt

- Internet, Cloud-based
- Mobile-enabled
- Modern User Interface

Purpose-built for AWP & Agile

- Supports 10+ Work Packages Types
- Incorporates Industry Best Practices

Battle-tested in the Field

- 10,000+ Users
- 200+ Projects
- 58 NPS Rating
- 92% Customer Satisfaction



Advanced Work Packaging & Agile Construction

O3 is the only **TRUE Work Packaging** solution that is purpose-built to support **Advanced Work Packaging**. Our modern SaaS platform is design with **agile methods** and functionality to **maximize productivity** on construction projects of **all types and sizes**.

Purpose-built to support Advanced Work Packaging & Agile methods

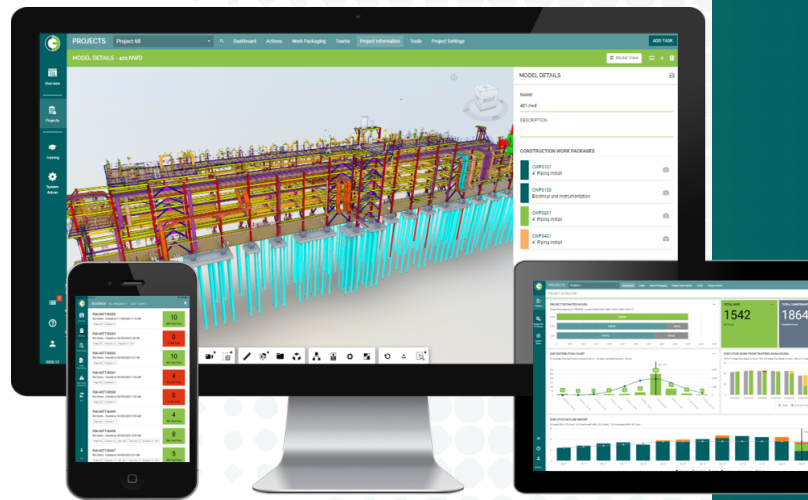
Supports the entire process from Concept through Commissioning

Supports 3D models of any type, for 10+ work package types

Meets you where you are with a crawl, walk, run approach

Provide solutions for all project phases

Status visualization for packages, constraints, materials



GRAPHICAL SCOPING: 3D virtual construction model for graphical work package development and visualization



NON-GRAPHICAL SCOPING: Ability to build packages without a 3D model using drawings, materials, equipment, and other non-graphical data



CONSTRAINT MANAGEMENT: World's most robust constraint management solution designed for the industrial construction industry



WORKFLOWS & AUTOMATION: Configurable workflows and robust automation of package status, approval, progress, tracking & more



FIELD MOBILITY: Native app platform allows for accessibility in the field to measure and record real-time data



DASHBOARDS: Interactive views purpose-built for each stakeholder reduces the time needed to identify issues, make decisions, and take action



Advanced Work Packaging & Agile Construction

O3's solution suite is purpose-built for construction and addresses many challenges in the industry including: managing training and education across multiple companies, global task management, modern project management that supports an agile environment, WorkFace planning for the jobsite, and standardizing Advanced Work Packaging from concept through commissioning for the entire organization.



O3's Experience



Change Management

Managing enrollments and certifications for 4,500+ users across 75+ courses



Collaboration

Supporting 3,500+ users across 30+ contractors on \$70B Oil & Gas project



Automation

Connecting 38 data threads across 6 systems to manage data for LNG Project



Scalability

Managing portfolio of 50+ small cap projects across 7 offshore assets



Optimization

Driving Owner engagement from concept through commissioning



To support a “crawl, walk, run” approach, the solutions build upon each other as the company grows in maturity across their AWP or agile programs. O3 also has mobile applications that help track tool time and safety observations to capture the correlated benefits of productivity and safety for these programs.

ONTarget™

Keep your project's scope, schedule, budget and risks on track



The ability to quickly access a single platform to track all critical actions is paramount for a project. Project stakeholders need modern, innovative tools to manage their projects from Contract through Execution to support better decision making, increase collaboration, and get valuable information in real-time. Leading organizations realize the value in digital solutions that leverage agile principles to increase productivity and accountability.

Why It's Needed

Managing Actions in Multiple Tools

A lack of collaboration and disparate sources lead to a loss of confidence in project information. There is little to no visibility into the status and progress of open action items which leaves teams to rely on time-consuming, in-person updates or gather information from multiple data sources.

Traditional "Waterfall" Project Management

Rigid process don't support the most efficient execution for an ever-changing construction environment. Schedules out-of-date and project teams spend more time updating 'as-builts' rather than planning to improve performance.

What's Included

Project Management

- Manage Scope, Budget, Resources, RFIs, Requisitions, Contracts, Documents and other key project data in a modern agile solution

Risk Management

- Identify, Prevent, Mitigate, and Manage Project Risks as assignable actions within a bowtie model

Schedule Management

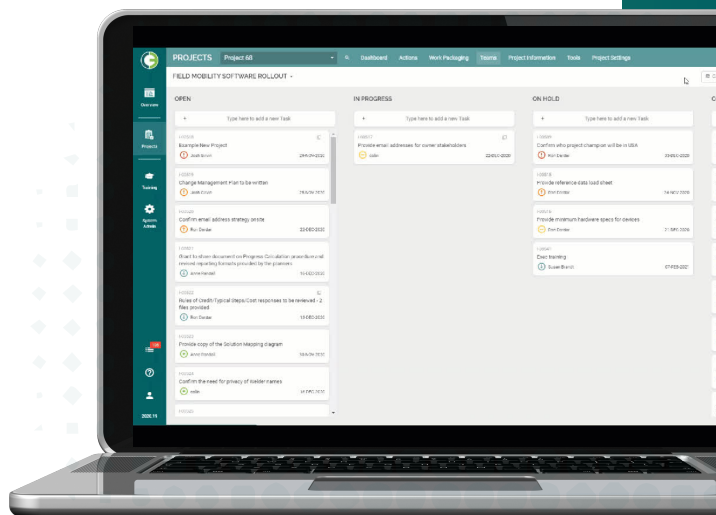
- Integrate schedules from multiple project stakeholders into a single view

Team Goal Management

- Organize project teams around configurable goals that measure and track progress and drive corrective actions

Agile Task Management

- Manage all project actions in a single comprehensive solution that supports reporting, alerts, notifications, and analytics within an agile framework



ONTarget™ provides a single platform to support stakeholder **accountability** and **collaboration** by reinventing traditional processes with **digital solutions**.

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Setup Your AWP implementation for success by beginning with the end in mind



According to the Construction Industry Institute, Owners, EPC firms, and Contractors regularly realize performance and safety benefits of Advanced Work Packaging (AWP), with savings up to 10% of the project's Total Installed Cost and productivity increases up to 25% in the field. The greater the AWP maturity on a project the greater the benefits. Successful organizations understand that in order to fully implement AWP, you have to start from the very beginning of the project.

Why It's Needed

Full AWP Requires Planning in Advance

Achieving the full benefits of AWP requires commitment to delivering the AWP process from the very beginning of the project. Many Owners mistakenly view AWP as being something that the Contractor needs to do.

Lack of Visibility

Measuring process can be difficult, especially when the outcomes of that process have rear-facing, lagging indicators that are not apparent until the damage is done.

One-off Solutions

Professional services organizations have developed Excel or Access-based solutions that cannot scale.

What's Included

AWP Master Index

- Maintain a master list of every work package, its key data and associations to other packages in a purpose-built tool

Path of Construction Development

- Define and track development and sequencing of Construction Work Areas (CWAs) and Construction Work Packages (CWPs)

AWP Best Practices

- Define AWP best practices to adopt on your project by selecting them from a pre-configured library

Labor Management

- Manage and group scope for bidding and contract award using contracting best practices

AWP Health & Adoption Metrics

- Automate the process of measuring the health and adoption of selected best practices

Interactive Planning Session Management

- Follow best practices with representation from all stakeholders



ONPlan™ provides value by making AWP setup easy, scalable, repeatable, and consistent.

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ONDesign™

Advanced Work Packaging for Engineering & Procurement combined with agile action management



Providing value directly to the Engineering and Procurement teams is critical to driving AWP adoption. Forcing Engineering and Procurement to adjust their work process to benefit construction downstream can make the overall project more productive. AWP mature organizations understand however that the best path to efficiency is one where every department actively embraces the better process for their own benefit and for the benefit of the overall project.

Why It's Needed

AWP Does Not Benefit Engineering and Procurement

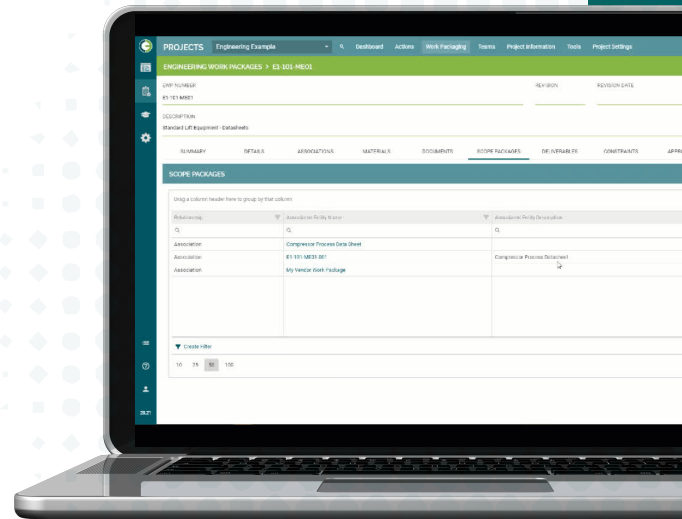
The traditional approach to AWP where engineering uses EWP to organize their work only provides value downstream to construction by indicating constraints.

Engineering Work Should Be More Agile

Creating an EWP for a team of engineers is not the optimal way to manage engineering and procurement tasks. This work needs to be further broken down into smaller, well-defined packages and daily tasks optimized with an agile approach.

Managing Vendor Data is Complex

Staying on schedule requires the alignment of purchasing activities and engineering deliverables. Managing all of these tasks separately can be time consuming and complex.



What's Included

Engineering Management

- Manage AWP in engineering with Engineering Work Packages, Design Work Packages and agile sprints designed to directly benefit engineers

Status Visualization

- Graphically create, visualize and manage the engineering and procurement AWP process in the 3D model

Vendor Data Management & Collaboration

- Define requirements, assign activities, track progress, and optimize vendor data management to support the paths of engineering and construction

Procurement Management

- Optimize the procurement work process while increasing the visibility and support for construction

Constraint Management

- Drive users to proactively clear constraints before they impact productivity

Reporting & Analytics

- Provide insights into E&P Planning status and health and assign corrective actions

ONDesign™ is the industry's **only comprehensive** engineering and procurement specific **AWP tool**.

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ONBuild™

Improve Workface Planning with automation, visibility and accountability



Effective WorkFace Planning requires a single comprehensive tool that can scope, manage, and progress all Installation Work Packages – not just pipe and steel – across all disciplines, functions, and package phases. ONBuild is the first comprehensive WorkFace planning solution that combines sophisticated graphical work packaging with true constraint management, and comprehensive reporting and analysis to identify and resolve problems before they impact productivity.

Why It's Needed

Disconnected Approach for Multiple Disciplines

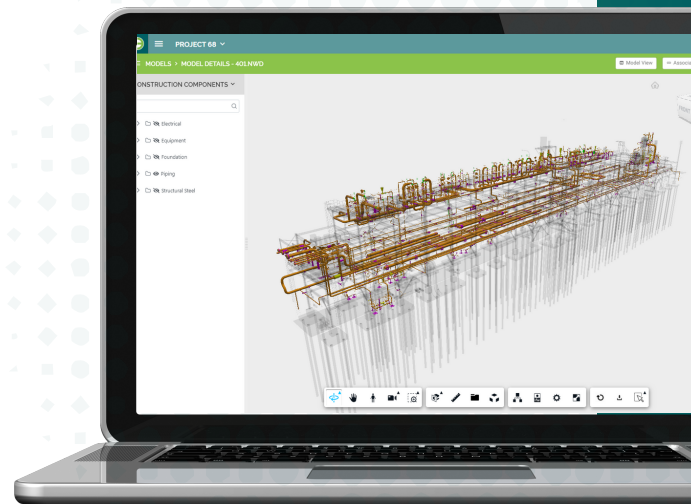
Projects using graphical package scoping for well attributed disciplines such as pipe & steel still use additional tools such as Excel to track the packages in other disciplines.

Package Creation & Package Management are Separate

Manual workflows, multiple resources, and disparate spreadsheets are error-prone, waste valuable man-hours and reduce visibility into the health and performance of the work packaging process.

Lack of Collaboration

WorkFace Planning spans multiple companies and legacy solutions do not support collaboration - leaving the burden to the WorkFace Planner.



What's Included

WorkFace Planning

- Scope Installation Work Packages with or without a 3D model in one comprehensive platform

Construction Management

- Drive construction and installation work packages to completion with configurable workflows powered by automation

Status Visualization

- See status, progress, availability, and more in real-time with an elegant package, constraint, and component 3D visualization engine

Constraint Management

- Drive users to proactively clear constraints before they impact productivity

Reporting & Analytics

- Provide insights into the construction process with the ability to drill down for details and assign corrective actions

Scaffolding Management

- Single interface for both WFPs and Scaffold Coordinators to develop cross-discipline scaffold work packages and manage requests eliminating Workfront access issues

ONBuild™ is a **game-changer** for Workface Planners, empowering them to manage and collaborate to **drive execution** efficiency.

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ONField™

ONBuild's mobile app extension to access IWPs digitally in the field and capture progress in real-time



ONField provides the tools needed to prepare for the IWP release, and access IWPs directly from the job site. The intuitive interface allows Workforce Planners to prepare for IWP development by marking up attached PDFs and providing these IWPs to the Forepersons, who can view and update the IWPs directly from the field.

Why It's Needed

Manual & Delayed Processes

IWP Release is frequently performed using printed PDFs of IWPs and drawings. This manual process limits two-way communication and leads to potential issues when the IWP is changed and multiple versions of the IWP remain. This limit in communication provides constant challenges to a project in revision management, progress updates, requests for information, and constraint management. As a result, leadership teams are left to make difficult decisions off weeks-old information.

What's Included

IWP Access

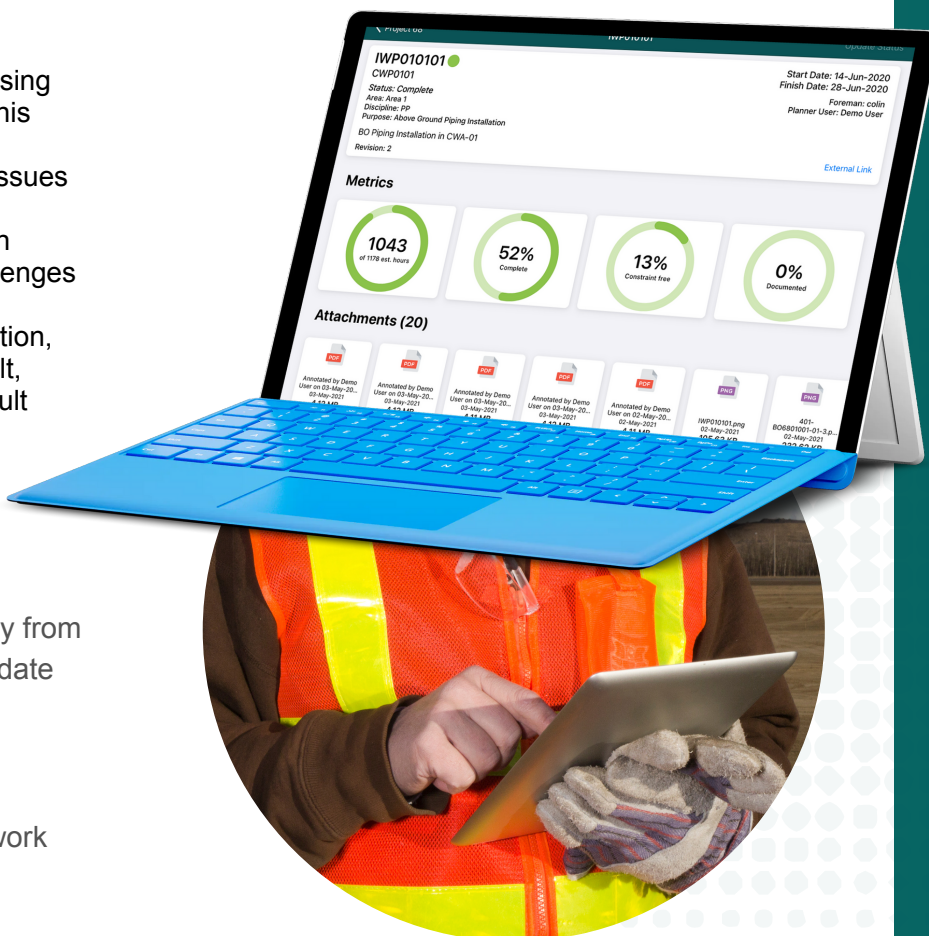
- Access planned IWPs directly from the field with the most up-to-date info

Progress Updates

- Collect and communicate execution task progress as work occurs

Attachment Annotations

- Mark up IWPs and drawings with important considerations as-builts, and other information for quick and easy communication across stakeholders



ONField™ delivers value in the field with the ability to digitally release IWPs on a job-site through the mobile app.

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Value-Add Mobile Solutions for Construction



ONTools™

Mobile tool time tracking in the field to drive productivity



ONSafe™

Diagnose safety trends in the field and take action to improve your project

Why ONTools™ and ONSafe™ Are Needed

Manual, Error-Prone Paper-based Process

Field observations are collected and communicated manually which can take 2-4 weeks, making reports and data obsolete by the time it reaches the appropriate stakeholder. Crews have to cope with lost or inaccurate information and manual reports are error-prone and introduce duplicate entry, which increases the time to capture and communicate data and creates a lag in response time to mitigate issues.

Lack of Access to Real-time Information

Jobsites understand that safety is important and emphasize best practices to reduce incidents based on rear-facing static reports on safety concerns. Projects struggle to make meaningful course corrections to improve safety because they lack access to actionable, timely information. Safety data is collected in a manual fashion and then managed in basic tools such as Excel that allow for the manual combining of data across data sources.



What's Included

Tool Time Observation

- Find productivity barriers on a job site

Tool Time Reporting

- Identify and remove barriers to productivity



What's Included

Safety Observation

- Digitally diagnose safety trends on a project

Safety Reporting

- Identify and mitigate safety risks and trends

ONTools™ delivers value through real-time observations in the field and **ONSafe™** is the ability to diagnose safety trends with tablets and provides reports in a digital dashboard.

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Seamlessly transition from efficient Execution to Operations



Successful Commissioning requires an understanding of the true status of the installation of systems and the power to act to drive completion. ONStart gives Owners the real-time information they need to identify blocking items, assign their completion, and track progress. With barriers removed, work can proceed quickly with automated approvals and deliverables to take work from execution to operations. ONStart is the first solution to give Owners the power to not only understand status and issues, but also drive their completion for an on-schedule project.

Why It's Needed

Punchlists are Long & Difficult to Drive to Completion

Poor execution leads to lengthy punch lists that are difficult to prioritize and drive to done.

Decisions are Based On Lagging Data

Status reporting is delayed by weeks or months and system execution progress drags to completion with open packages. Construction lacks visibility and incentive to drive completion.

Constraints are Managed in Homegrown Tools

Blocking constraints are spread across stakeholders and are slowly communicated and rarely chased down, leading to schedule delays in the last months of an otherwise successful project.

What's Included

Test Management

- Organize scope and manage the testing process with dedicated Test Work Packages powered by configurable workflows, constraints and approvals

Turnover Management

- Organize, scope, and manage the turnover process with dedicated Turnover Work Packages powered by configurable workflows, constraints, and approvals

Systems Completions

- Organize, scope and manage the systems completion process with configurable workflows, constraints, and approvals

Punchlist Management

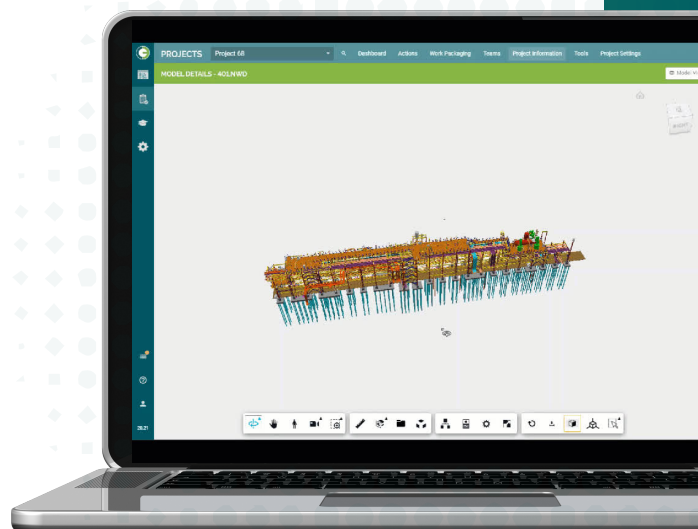
- Gather and execute punchlist items to drive Test and Turnover readiness

Startup Management

- Organize, scope and manage the startup process with dedicated Startup Work Packages powered by configurable workflows, constraints, and approvals

Reporting & Analytics

- Track progress and drive continuous improvement with real-time dashboards built on best practices



ONStart™ is designed to maximize AWP implementation throughout the entire project lifecycle on a single platform.

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Enterprise Edition™

Standardize AWP across your facility, portfolio, or company



Organizations that are serious about rolling out AWP require a tool designed for enterprise implementation

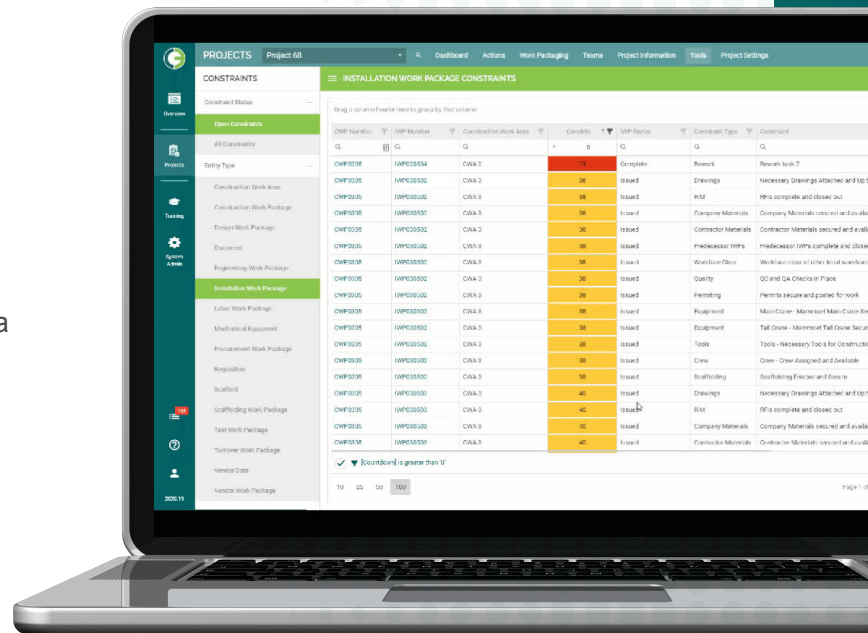
Why It's Needed

Platforms Assembled Through Acquisition

Platform solution providers in this space evolved through the acquisition of disparate solutions. The merging of these tools leads to a cumbersome, inconsistent user experience and a myriad of data challenges.

On-Premise Limitations

Non-SaaS solutions cannot support multi-project architecture needed to facilitate cross-project reporting.



What's Included

Enterprise Infrastructure

- Single Sign On and other enterprise authentication options are supported through the O3 Enterprise Edition

Advanced Data Management

- Tools for analyzing software adoption and driving utilization

Cross-project Reporting

- Reporting across a program, portfolio or enterprise of projects for driving continuous improvement

Program Management

- Tools for managing the implementation of AWP and Agile across the enterprise

ONEnterprise™ is purpose-built for your entire organization to easily implement AWP through visibility, automation, digitization and standardization across projects and portfolios.

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Platform Essentials

Core functionality needed to support collaboration, information exchange, and user-friendliness



O3 provides industry-leading software for project management. A key part of this software is the strong foundation on which our platform is built, allowing your team to focus on a successful project, not how to stand up a local server for legacy software.

What's Included



Modern Infrastructure

O3 is a modern web-based platform hosted in the cloud and accessible from anywhere in the world. Automated scaling, geo-redundant backups, and Azure Security allow for a seamless, secure experience. Regular releases (20+ per year) with customer feedback minimize change management challenges and ensure that O3 is always the best of the best.



Access & Security

O3 provides role-based and contract-based permissions to allow all stakeholders to be fully involved with the project and ensure that each user within the software sees the right information for them. Leading cloud security and Single Sign On (SSO) integration ensure easy and secure access.



Data Management

O3's data requirements provide the baseline for success with AWP early in a project and set a clear standard for integration with other systems. Data can be easily exchanged with O3 using flat-file import, RESTful APIs, and direct integration. As data sources are established, data deliverables provide reporting and notifications to make sure data is exchanged with the proper fields, format, and frequency.

In O3's AWP solutions, we take this platform a step further, tracking all packages and associated actions necessary for AWP. Each company will have an approach that is right for them, and O3's flexible solution allows them to easily right-size their AWP process.



AWP Master Index

O3 provides one central place to manage all work package types on a project. These packages can be integrated with other tools to exchange information such as schedule, associations, document relationships, materials, and more. Each of these work packages can be directly scoped and defined within O3 and linked to all necessary data.



Work Package Action Management

One of the keys to success with AWP is ensuring that all necessary actions are taken for roadblocks to be removed and for work to proceed. With O3, users can identify, assign and track constraints for all package types before they impact the schedule or productivity.



Training Management

Owners, EPC Firms, and Contractors benefit from a structured approach to change management. O3 provides a purpose-built platform to help manage and track training progress across any initiative including Advanced Work Packaging, WorkFace Planning, as well as standard jobsite training requirements such as Safety, and Orientation.



Configurable Workflows

Users can configure workflows to match the specific needs of their project with automated creation and assignment of approvals and constraints throughout the process, and reporting and analytics to ensure they are handled.

Platform Architecture

Modern, web-based cloud platform to support projects of all types and sizes anywhere in the world



O3's single, modern platform is purpose-built to consume data and support work packaging. It's scalable across project types and is constantly evolving with continuous innovation through bi-weekly product releases. O3 allows teams to successfully focus on a project with software built on a cloud platform mean you don't need a local server for legacy software.

Purpose-Built to Consume Data

RESTful APIs

- Direct integration with other modern sophisticated tools
- O3 leveraging Autodesk Forge Viewer to support 3D Visualization
- OOTB API integration with Autodesk BIM 360 Docs

Import/Export Function

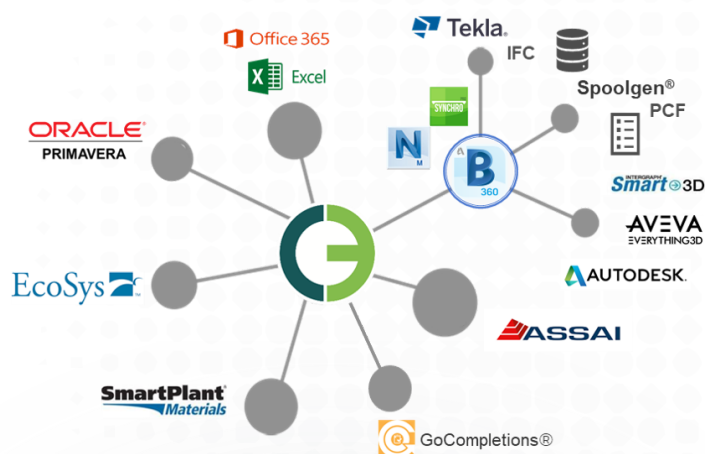
- Flat file data imports for interfacing with less sophisticated tool

Data Mapping

- Tools and services

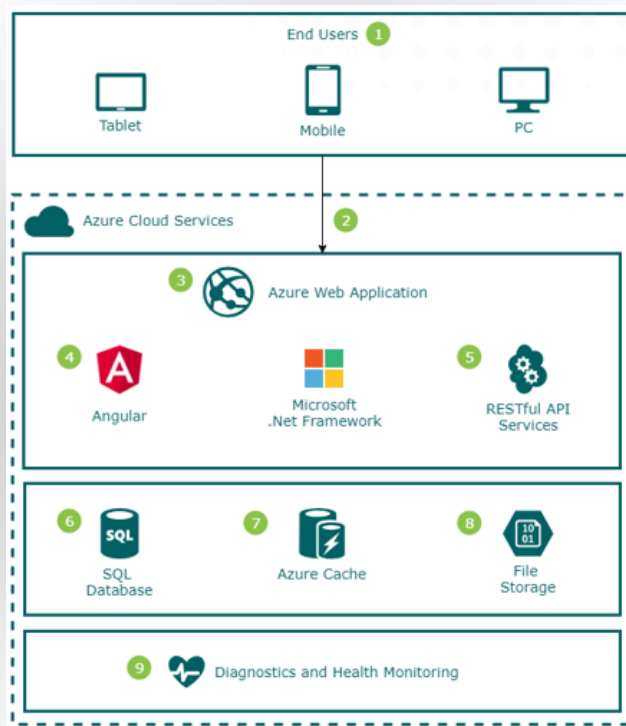
Default Templates

- Configurable templates for collecting manual, unstructured data



Modern Design

- Web-based UI
- Hosted SaaS solution
- Microsoft Azure Cloud for Security
- Geo-Redundant Backups
- Encrypted at Rest
- Load Balanced
- Automated Backups
- Point in Time Restore
- RESTful APIs
- Role-based and Contract-based Permissions (Single Sign On)



Partner Network

Professional Services provided by
O3 Solutions Partners



O3 partners with leading service providers to deliver a comprehensive product and supporting services to maximize your AWP implementation.

Professional Services:

- AWP Training & Certification
- AWP & Implementation Staffing
- Roadmap & Strategy Consulting
- Change Management Support
- Policies & Procedures
- Contract Language
- Materials Management Consulting
- O3 Implementation & Integration



For More Information

Check out our expansive resource library to learn more about Advanced Work Packaging and agile project management. Our case studies highlight client success with using O3 Solutions on projects of all types, sizes, and phases.

www.o3.solutions/resources

Contact Us to Get Started & Begin Realizing the Power of O3

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