



BROCHURE

# Octave OnSite Visualize Max

A powerful scalable solution for AWP





Octave OnSite Visualize Max (formerly iConstruct MAX) is a powerful scalable solution for Advanced Work Packaging. With agnostic capabilities, OnSite Visualize Max aligns engineering, procurement and construction to calculate the feasibility of installation work packages enabling effective creation. In addition, it has direct integration to business systems and providing a suitable solution for small to large global capital projects.

## Get the benefits of AWP – today

Use Onsite Visualize Max as an Integrated Data Environment (IDE) AWP platform, independent of native engineering authoring tools and compatible with external data sources. Organizations can implement AWP immediately while retaining existing processes and tools. As a powerful bolt-on to Autodesk Navisworks®, OnSite Visualize Max integrates with current business systems without replacing existing infrastructure. Data can be linked from systems such as Octave Loop Core or Intergraph Smart® Materials or via Excel, ODBC or APIs and displayed in structured fields that enable Workface Planners to aggregate and schedule IWPs based on feasibility.

# Key benefits of OnSite Visualize Max

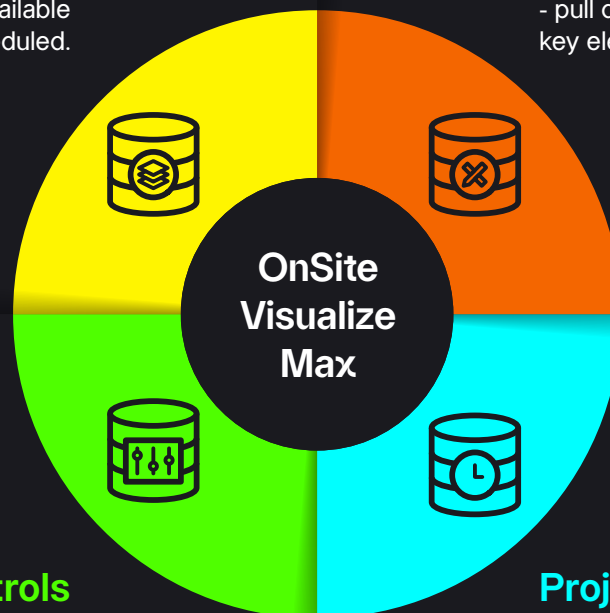
- Leverage Autodesk Navisworks: industry-leading agnostic platform
- Integrates with, rather than replaces existing fit-for-purpose business systems
- Automates recurring workflows with BIMflow
- Organizes model hierarchy and data to drastically improve navigability
- Quick installation for immediate authoring, checking and scheduling
- Seamless direct integration with Loop Core and Smart Materials

## Materials

Call in Procurement data from Smart Materials/Loop Core, SAP or Oracle to ensure that materials are available before construction is scheduled.

## Engineering

Document approval status is key to ensure a safe and effective installation - pull data into Control Panel so this key element is not missed.



## Project Controls

Efficiency is a critical component of any project. Equip the Workface Planner for success with available hours.

## Project Schedule

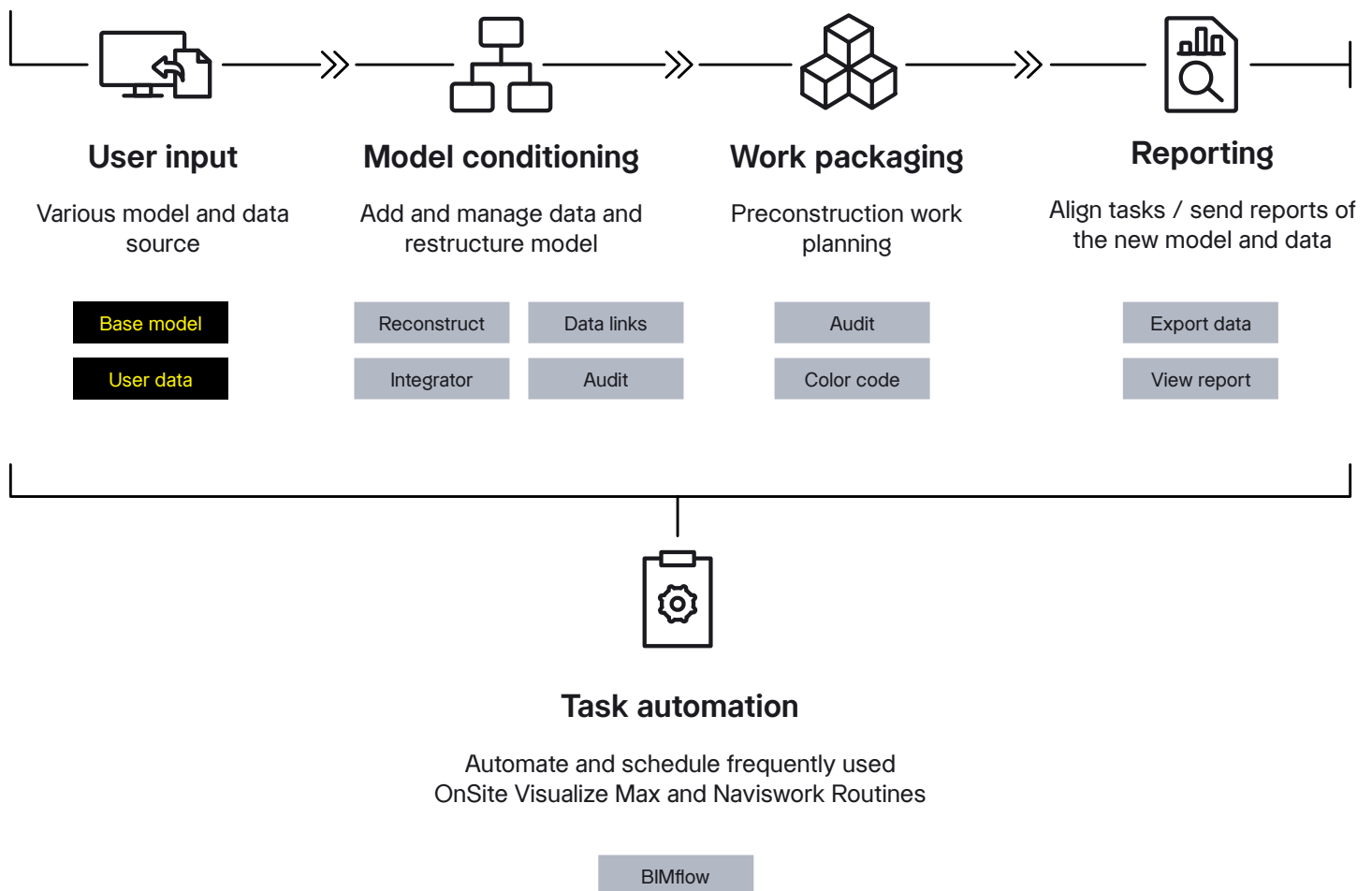
Feed in schedule data like P6 or other systems directly into Control Panel and push through to a Gantt chart to display the installation with other IWP components.

# Total project alignment and maximized output

Advanced Work Packaging (AWP) has become the industry standard for running safe and efficient construction projects. Visualize all elements of a project through comprehensive data-rich 3D models with the availability of materials and resources. This allows prioritization and sequencing of installation based on actual constraints, which mitigates risk.

Being an active member of the Construction Industry Institute (CII), OnSite Visualize Max is designed to support CII data requirements.

With AWP, crews receive work packages that contain the information, tools, materials and access they need to execute projects efficiently. This reduces downtime, increases tool time, and cuts project cost. Executed properly, AWP can lead to a return on investment up to 25% increase in field productivity and 10% decreases in total installed cost (TIC).





# OnSite Visualize Max makes it simpler

## 1. Better model and data hierarchies

Restructure raw engineering models into an AWP-compliant model. ReConstruct reorganizes and groups a model's hierarchy to align to a project's different stages. It also improves file portability by exporting a cropped model based on section planes, properties, disciplines or area.

## 2. Automate recurring tasks

BIMflow is a powerful feature in OnSite Visualize Max that automates and schedules frequently used workflows. It maximizes productivity for all engineering projects and streamlines processes by effectively incorporating model updates while eliminating repetitive work.

Scope Of Work			
WIP Revision:	1	WIP Activity ID:	1256
System Number:	1254-5675-801	WIP Start:	March 29 <sup>th</sup> 2020
Estimate Hours:	500	WIP Finish:	April 15 <sup>th</sup> 2020

Review & Sign-off			
Position	Name	Signature	Date
Craft Planner:	Jim	<i>Jim</i>	26/09/20
Superintendent:	Sam	<i>Sam</i>	27/09/20
General Foreman:	Adam	<i>Adam</i>	27/09/20
Issued To:	David	<i>David</i>	26/09/20

User			
Foreman:	Andy	<i>Andy</i>	04/12/20
Second Review:	Toby	<i>Toby</i>	16/10/20

Model Docs	
Location	Isometric View

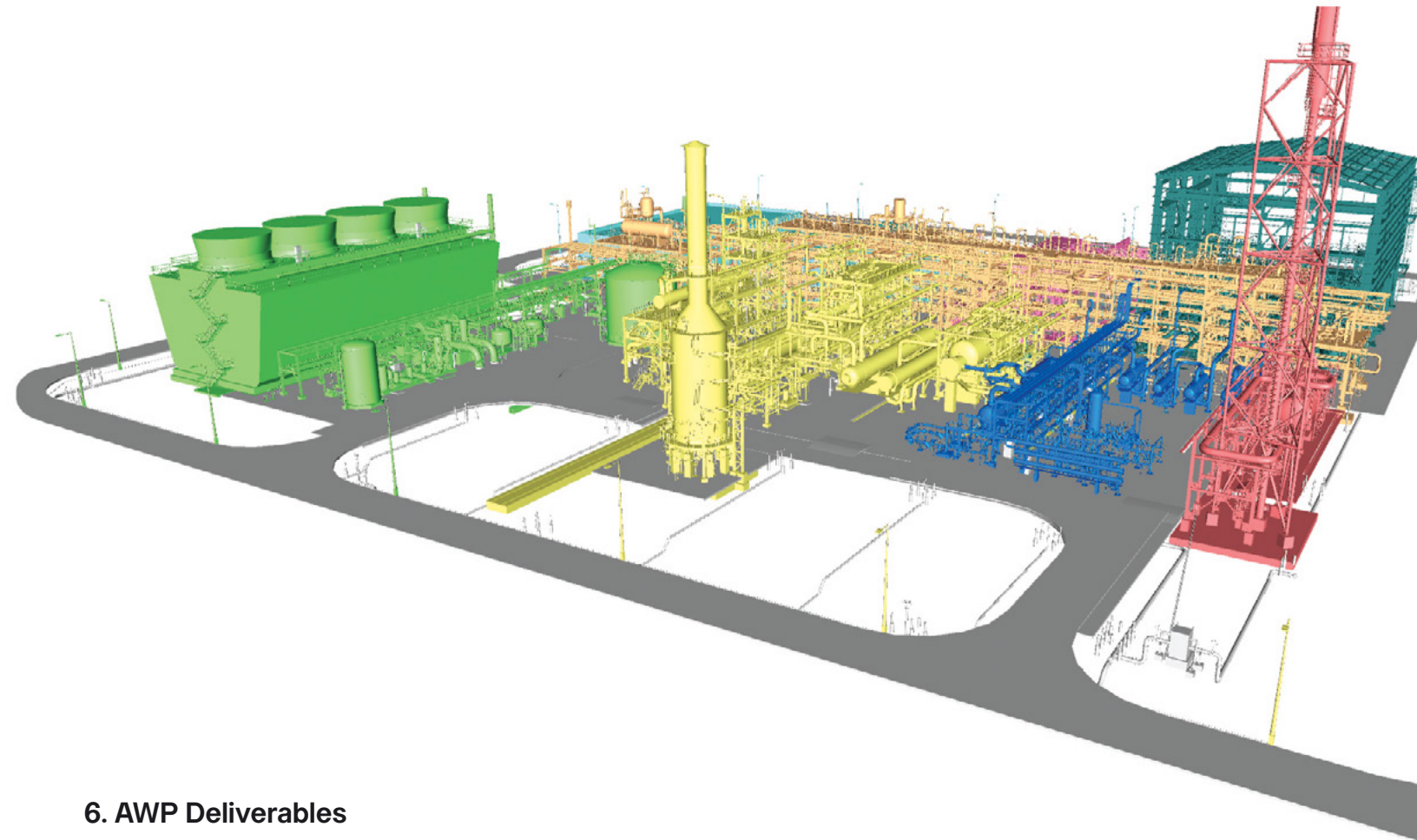
Drawing List			
#	Drawing Number	Rev	Description
1	01-0270M-0002-13	000	AC BUCHE TRCS 0120M-0002-4-CA-3-3H
2	01-0270M-0002-14	000	AC BUCHE TRCS 0120M-0002-4-CA-3-3H
3	01-0270M-0002-15	000	AC BUCHE TRCS 0120M-0002-4-CA-3-3H

Field Materials					
#	Drawing Number	Material Reference	Description	HTD Qty	Inv Qty
1	01-0270M-0002-13	PPRINGZZZVACZ	PLUG, ROUND HEAD, NPS 3/4, ASME B16.9, 18MPsi, CARBON STEEL, ASTM A105N (UNS K03500)	2	1

18 March 2022 Page 1 of 12





## 6. AWP Deliverables

AWP facilitates the breakdown of a large scope of work into smaller and smaller work packages. This gives crews the information they need to work effectively and efficiently, boosting project performance.

By using advanced report designer functionality, you can create your custom view reports to suit any project stakeholder requirement, everything from executive dashboard reports, to detailed IWPs with included ISOs, other model properties and visual location markers.

*"OnSite Visualize Max has truly transformed our workflow as an EPC contractor. Its intuitive interface and unique approach have made a significant difference in managing engineering deliverables and material availability. With OnSite Visualize Max, our staff no longer needs to spend endless hours updating reports and information, allowing them to focus on coordinating construction activities on site. The platform's flexibility and exceptional customer care support have exceeded our expectations, making it the perfect solution that adapts to our specific needs right from the start."*

**Antonio Schiavone**, Head of Department - Construction Home Office, Tecnimont

## About Octave

Octave is a leader in enterprise software, turning data into decisive action and intelligence into your edge. Our software solves for and simplifies complexity, from the design and build to operations and protection of people, property, and assets— for any scope, at any scale. For decades, we've partnered with customers to sharpen performance, elevate efficiency, and amplify results. From factory floors to entire cities, our solutions are tuned to scale up what's possible from day one onward.

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