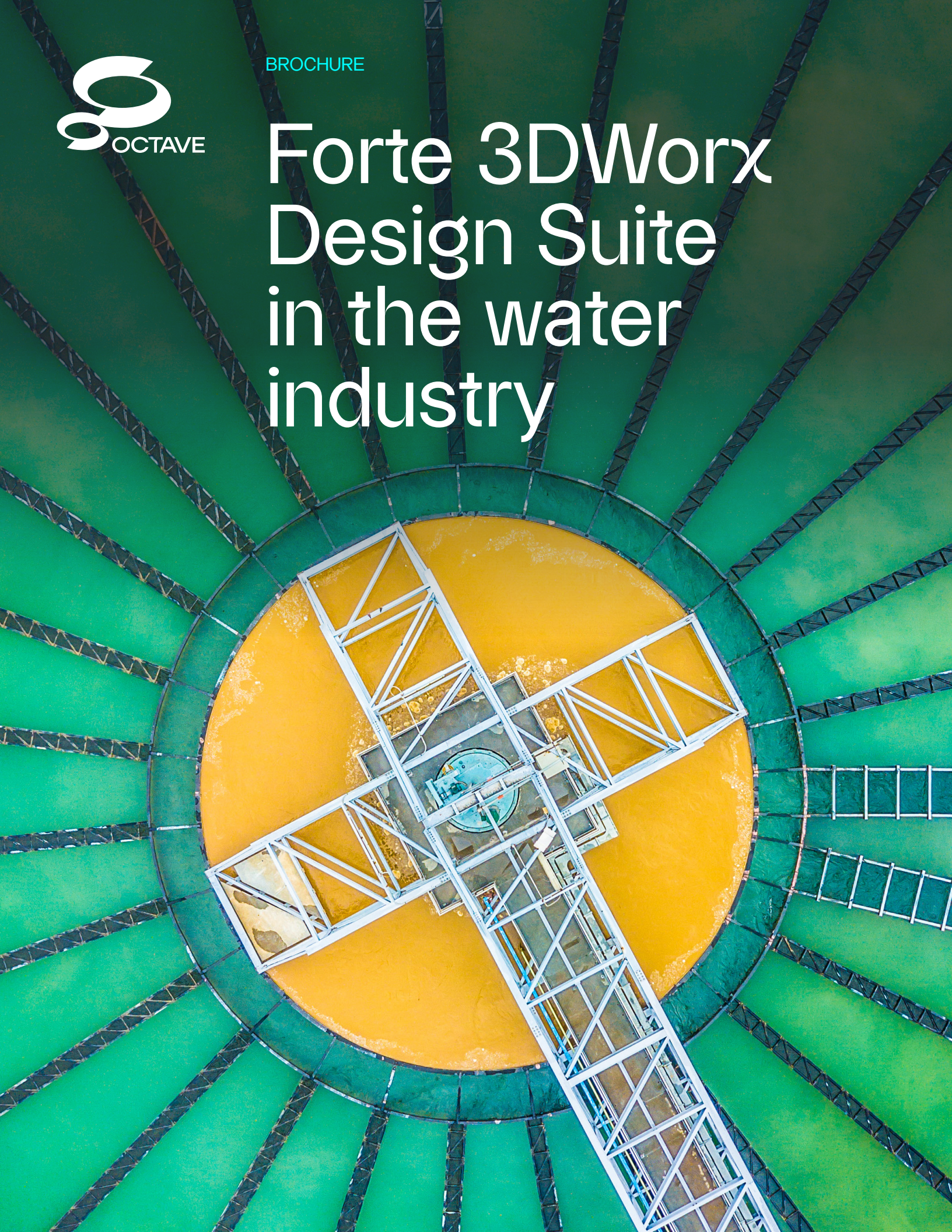




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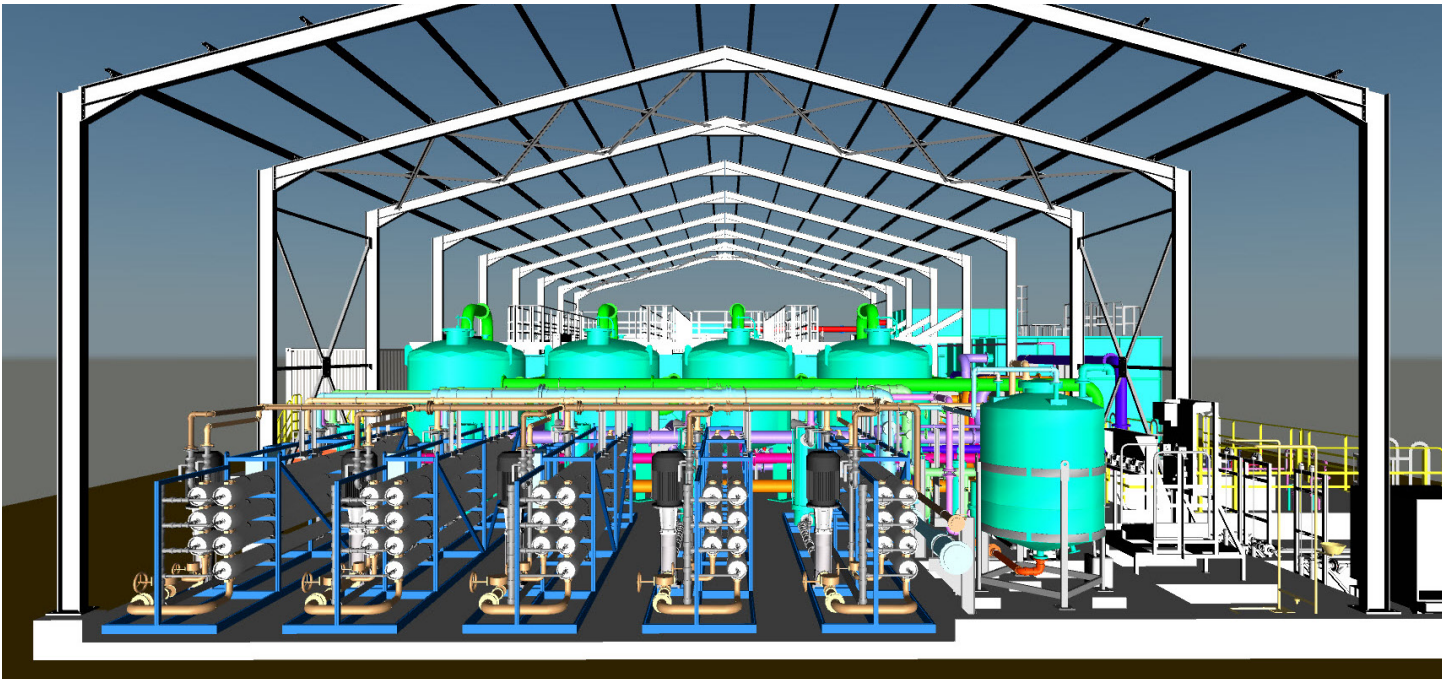
Forte 3DWorx Design Suite in the water industry





Forte 3DWorx Design Suite (formerly CADWorx Plant Design Suite) is optimally suited for water industry applications, including water treatment, water distribution, water purification, consumer water production, ballast water cleaning on ships and other environments that rely on skid-type piping systems in confined spaces.

Whether you need to maintain water quality, ensure reliable water supply, operate within capacity limits or produce purified water from a potable source, Forte 3DWorx helps streamline the design and management of piping systems throughout your facility.



Model courtesy of Improchem

Standards and specifications

Piping specifications for any material can be created to meet required standards, including non-metallic pipes such as concrete or plastics. Out-of-the-box specifications are available for carbon steel, stainless steel, ductile iron, PVC and FRP piping. Manufacturer-specific catalogs and specifications are available for free downloads.

Any 3D block can be added to the Forte 3DWorx specifications, helping teams create more accurate, clash-free designs. This solution uses representations for components such as flow meters and equipment with multiple ports or connections.

Exact 3D representations of clamps, couplings and other connection types can also be overlaid to improve accuracy, even in the most confined spaces.

Modification

Use grips on the pipes to make quick modifications. Intelligent connections maintain connectivity throughout and in-line items to be moved while keeping associated items (such as flanges, gaskets etc.) connected. Change pipe size or specification by simply selecting the items and applying new size or specification. Connectivity is maintained automatically.

During modifications, pipe supports are automatically updated, including adjustments to beam clamps, rod lengths and other support components.

Modeling

Quickly model equipment such as tanks and pumps using Equipment in Forte 3DWorx parametric functions, or import vendor-supplied 3D models and apply Forte 3DWorx intelligence to nozzle connections. The pipe router supports sloped and skewed piping, making it easy to route systems at any angle, rise or fall. Automatic routing suggestions further increase productivity when connecting to nozzles.

Forte StructureWorx (formerly CADWorx Structure) can be used to model steel structures, including stairs, ladders and platforms with handrails. The optional BricsCAD platform with the BIM add-on module can be used for BIM design of the various facilities found in water treatment plants.

Forte 3DWorx features

Specification flexibility for non-metallic, steel and ductile iron piping

Parametric equipment modeling

Fast pipe routing with auto-connect

Easy sloped/skewed pipe routing

Steel structures modeling

Steel assemblies including stairs, ladders and handrails

Grip stretch and move modifications

Change size and specifications

Automatic pipe support updates during modification

Automatic isometrics using Forte Isogen (formerly Isogen)

Automatic layout drawings using Orthogen for Forte 3DWorx (formerly OrthoGen)*

*Orthogen for Forte 3DWorx is a cost add-on for Forte 3DWorx



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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