The BE Awards of Excellence honor the extraordinary work of Bentley users improving the world’s infrastructure. These projects set benchmarks for their industries, and showcase the imagination and technical mastery of the organizations that created them.

BE Award winners are selected by an independent jury of industry experts and presented at an evening ceremony during the annual BE Conference.

Get in touch with your Bentley account manager and tell us about the great work you do, and how our products help.

www.bentley.com/HMS-BE

V8-Powered Water Distribution Modeling

Available today for early adopters—and coming soon as a downloadable upgrade for SELECT subscribers—Bentley introduces the most significant WaterCAD and WaterGEMS release since the Haestad Methods acquisition. Version 8 advances the water modeling technology standard once again continuing a 25-year commitment to water professionals, engineers, and utilities around the world.

Built from the ground up using the latest .NET Microsoft technology, WaterCAD and WaterGEMS V8 are designed for speed, interoperability, and usability.

Existing users will discover responsive, fresh, and much more functional interfaces, including dozens of their own requested features. In addition, they’ll find new break-through hydraulic modeling, asset management, operations analysis, and mapping utilities.

Fast
The all-new .NET data-centric framework gives WaterCAD and WaterGEMS not only a new

Haestad news now in BE Magazine

Bentley’s Haestad Methods Solutions newsletter is moving to BE Magazine with inspiring user stories, how-to articles, industry news, and tech notes for the Haestad product line, along with Bentley’s engineering and geospatial solutions. Subscribe for free today!

www.be.org/BEMagazine

The work you do, and how we help.

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**V8-Powered Water Distribution Modeling: Fast, interoperable, and easier than ever**

V8-Powered continued from p. 1

interface, but also a power boost under the hood. Designed to support "all-pipe" models (comprising all mappable components of the network), version 8 dramatically increases performance across the board, allowing users to build, edit, run, and analyze models of more than 100,000 pipes at record-breaking speeds.

WaterCAD and WaterGEMS V8 share a new relational data store, which literally blows away antiquated DBF-based datasets. Benchmark test results show 10 to 100 times faster start-up, calculation, navigation, and data edition. Modeling teams will benefit from shortened workflows and increased fidelity when modeling large systems.

**Interoperable**

Whether they choose the functionally scalable WaterCAD or the all-inclusive WaterGEMS, and whether they want to leverage ESRI’s geodatabase technology or a better editing and layout environment like AutoCAD—version 8 allows engineers and utilities to transparently switch platforms and solutions around a single dataset. This is what interoperability is all about.

Version 8 goes beyond GIS-centric models introducing the only data-centric solution to offer four interchangeable platforms: Stand-alone, ArcGIS, AutoCAD, and the all-new MicroStation. A data-centric model allows GIS professionals to leverage the geospatial functionality of ArcGIS, while CAD users edit with engineering precision. A data-centric model saves utilities real money when they don’t have to guarantee seats of ArcGIS or AutoCAD for their modeling solution to work. A data-centric model preserves data integrity and lets users share their work with anyone.

**Easier than ever**

The legendary ease of use of Haestad Methods solutions just got easier with the new WaterCAD and WaterGEMS. Version 8 introduces a totally revamped stand-alone interface, an enhanced and faster ArcGIS integration that includes every modeling utility within ArcMap, and an all-new MicroStation platform that facilitates engineering design and geospatial modeling for MicroStation users.

**New modeling elements**

The new framework includes additional modeling elements including hydrants nodes, variable speed

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**WaterCAD and WaterGEMS share most of the new features in version 8, but here are some important differences to help you find the right solution:**

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<th>PLATFORMS</th>
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**Included**

**Add-on availability**

**Only with WaterGEMS**

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"Only Bentley's multi-platform solution allows our multi-skilled team of engineers to collaborate around a single modeling file."

– EEPPM – City of Medellin water utility, serving more than 3 million users.

**New Release: WaterCAD and WaterGEMS V8**

**V8-Powered**

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– EEPPM – City of Medellin water utility, serving more than 3 million users.
new geospatial modules for WaterCAD

The LoadBuilder and TRex modules—currently only available with WaterGEMS for ArcMap—will be included with all WaterCAD and WaterGEMS V8 platforms at no additional cost.

LoadBuilder facilitates demand allocation by leveraging any type of geospatial water consumption dataset, to automatically assign demands to the nodes of your model. TRex streamlines elevation data input, and minimizes manual errors by automatically assigning elevations to model nodes using available elevation shapefiles, 3D CAD files, DEMs, and spot elevations.

You can learn more about WaterCAD and WaterGEMS V8 visiting the following website with the complete list of new features, screenshots, video clips, official release dates, and much more:

www.bentley.com/HMS-V8
Welcome Haestad Methods users

The growing number of utilities and consulting firms adopting Bentley’s Haestad Methods software solutions are being effectively served by the company’s more than 100 local offices around the world.

Africa

VELA VKE, a South Africa-based consulting firm, is adopting PondPack and CivilStorm to support major site development and stormwater infrastructure projects in southern Africa.

Asia

In India, the Louis Berger Group acquired licenses of WaterCAD and SewerCAD for the improvement and expansion of the urban water supply, and sewerage infrastructure systems in the state of Madhya Pradesh.

Shanghai Municipal Engineering Design and Research Institute (SMEDI), a Chinese leading municipal engineering design institute, recently purchased HAMMER for transient analysis studies.

Australia

Upper Hunter Shire, known as the Horse Capital of Australia, will be using WaterCAD to model water quality and operations of the water distribution system that serves Merriwa, Murrurundi, and Scone.

Thuringowa Water in Queensland upgraded to a bigger version of SewerCAD to support their sewer modeling and design workflow.

Europe

Services Industriels de Genève (SIG), purchased SewerGEMS for modeling and design of the wastewater conveyance infrastructure of the state of Geneva, Switzerland.

ASA Azienda Servizi Ambientali di Livorno, an Italian utility, added SewerGEMS to their comprehensive set of Haestad Methods solutions to model the sewer networks of Livorno, Elba Island, and other municipalities in north Toscana.

Latin America and the Caribbean

Empresas Publicas de Medellin E.S.P. (EEPPM) – Colombia’s largest multi-utility company – upgraded to WaterGEMS to support modeling of an infrastructure that provides potable water to more than 3 million people in the Aburra Valley.

The Water and Sewerage Corporation in the Bahamas acquired WaterGEMS for design and analysis of the distribution networks of Nassau.

Middle-East

With more than 40 years of engineering and project management experience in the Persian Gulf region, Cansult Limited Dubai implemented WaterCAD, SewerCAD and StormCAD to support water resources projects in the United Arab Emirates.

North America

Manatee County, one of Florida’s fastest growing areas, upgraded to WaterGEMS to model the water distribution infrastructure that serves the communities surrounding Bradenton and Sarasota.

Sunshine Coast Regional District, in Canada, selected the platform-independent WaterGEMS, leveraging both the ArcGIS and MicroStation platforms to model 300 kilometers of pipeline, 19 reservoirs, 13 pump stations, and eight chlorination stations.