



## Envision 4.0 brings data analytics for IoT, industrial analytics and embedded BI to new heights

February 16, 2017

**Troy, Mich., Thursday February 16, 2017** – solidThinking announced today the general availability of Envision 4.0, the newest feature release of the company's data analytics platform. Several new functions have been added to offer a complete set of capabilities required for Internet of Things (IoT) and Industrial Analytics.

"The 4.0 release is feature-rich across the board, making Envision more capable, refined and easy to use. Users will immediately see an enhanced user experience," said Yeshwant Mummaneni, Sr. Vice President Analytics. "In addition, with version 4.0 we focused on strengthening the platform with core enhancements that include *Smart Joins*, *Targeted Filtering* and *Multi-Level Aggregations*. We are really excited to deliver to our customers and partners the most comprehensive cloud BI platform yet."

"Envision 4.0 is a significant release for us as a partner," said Brian Lassiter, Milsoft Utility Solutions. "With 4.0 and its real time data refresh, our utility clients now have the option to visualize dashboards showing current outage locations, dispatched crews, customers affected, and more relevant KPIs, all in one view and in real time. In their business, it is imperative to know what is happening right now."

Visit <http://Envisionbi.com/4.0> for images, videos, and more information about the latest version of Envision.

### Key updates in the Envision 4.0 release include:

- **Smart Joins**

To help business users easily combine data from multiple sources, Envision 4.0 introduces Smart Joins to combine multiple data sources without the need to understand the nuances of classical SQL joins. This powerful capability of joining multiple fact tables along multiple dimensions will allow users to plot metrics from multiple data sources on a single chart.

- **Multi-level Aggregation**

In addition to the standard aggregation/rollup (SUM, MIN, AVG, STD, etc.) functions, advanced aggregation capabilities enable user to roll data to level "A" using a certain aggregation function, and then further rollup to level "B" using a different aggregation function. The aggregation dimension path is intelligently picked up from the charts' aggregation levels to further simplify usage.

- **Real-time**

Envision's real-time data refresh via user specified refresh time interval or via a Rest API notification support several IoT use cases. This real-time experience is expanded to enable a collaborative realization of analytical projects by a team. The changes to the reports, dashboards and charts are synced up in real-time across all active authors and viewers.

- **Refinements to User Experience**

Envision offers comprehensive BI capabilities in an extremely easy-to-use solution. It has one of the fastest data to dashboard experience, with the fewest amount of clicks. This experience is further refined with new context-sensitive chart properties and n-level deep *Undo/Redo* stack. This release also features Bookmarks – providing users a shortcut to most commonly used combination of dashboard filters, and the ability to share these bookmarks. Finally, the new Targeted filtering allows users to link measures/metrics with dashboard filters providing fine grained control on how and what aspects of charts and dashboards react to certain filters.

- **Admin Tools and Connectors**

Envision is packed with Enterprise features. Envision 4.0 strengthens the cloud, on-premises and embedded capabilities required by Enterprises and ISVs. These capabilities include the ability to schedule reports, receive notifications upon data refresh, additional O-Auth based authentication option, big data support for Apache Spark and Salesforce.com connector. This release also enables authoring capabilities of Envision in Embedded mode. A comprehensive redesign of user, data, services, security and app management makes admin tasks easier.

For more information, product news and details of upcoming events visit <http://envisionbi.com/> or connect with us through [LinkedIn](#) and [Twitter](#).

### About Envision

Envision provides fast free-form data exploration, visualization and analytics, which is scalable throughout the enterprise. It is built around a rich user interface, delivered through a disruptive licensing model for an optimized investment. Envision offers a complete set of capabilities required for IoT, Industrial Analytics and Embedded BI. Its unique Analytical App development capabilities and open architecture make it easy to embed or develop.



### **About solidThinking**

solidThinking employs a relentless focus on delivering innovative technology with a streamlined user experience. Its tools empower users and organizations to make informed decisions and design, engineer, manufacture, and deliver amazing products to market faster than ever before. solidThinking's tools are sold and supported through a global network of industry and domain experts. solidThinking is a wholly owned subsidiary of Altair where its products are also available through the Altair HyperWorks® suite. To learn more, please visit [solidThinking.com](http://solidThinking.com).

### **About Altair**

Founded in 1985, Altair is focused on the development and application of simulation technology to synthesize and optimize designs, processes and decisions for improved business performance. Privately held with more than 2,600 employees, Altair is headquartered in Troy, Michigan, USA with more than 45 offices throughout 20 countries, and serves more than 5,000 corporate clients across broad industry segments. To learn more, please visit [www.altair.com](http://www.altair.com).

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