



Press release  
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## Magillem at DAC 2018: «An expert system for system experts®»

Join us, booth #1351, June 25-28, 2018 - San Francisco, Moscone Center

Paris, France - June 12th, 2018. Magillem, the leading provider of front-end design xml solutions, addresses more than ever the challenge of SoC (System on a Chip) design complexity, thanks to its easy-to-use methodology called ISDD®, i.e. **Integrating Specification, Design & Documentation**, which provides seamless integration across these processes, linking together all product and design-related information in a hub.

Magillem offers a tools suite, based on a unique open standard metadata model (IEEE1685 / IP-XACT) and unanimously qualified as the “best-in-class” by the semiconductor industrials, to accelerate SoC design by solving the well-known critical issues this market: increasing complexity, shorter time-to-market, growing costs of R&D. Two major principles address these critical challenges: Intellectual Property and technological assets reuse, and a strong design flow which protects from errors at each step.

As a pure «Assistant Expert», Magillem allows the design of a new generation of products:

- by keeping the consistency across various representations of a system
- by improving scalability and reuse
- by combining a fully-fledged traceability, verification and certification
- by aligning all the stakeholders in a collaborative environment
- by analyzing and tracing impacts

Adding value to core business is 100% achievable with ISDD®, the innovative methodology supporting a «virtual intelligent workshop».

This year at DAC, on our booth #1351, Magillem presents exclusive demonstrations of its complete flow solution, **Magillem Flow Architect (MFA)**, its architecture intent gatekeeper **Magillem Architecture Intent (MAI)**, its Design Data Intelligence tool **Magillem Crystal Bulb (MCB)**, and its collaborative Digital publishing suite with **Magillem Content Publisher (MCP)**.

## **Magillem Flow Architect (MFA): A complete and comprehensive flow!**

**Magillem Flow Architect (MFA)** is a turnkey solution that allows the design team to create its design flow. MFA is a complete development environment for flow designers, and allows them to optimize design steps for SoC engineers and make it easier for them at every step.

With **MFA**, a methodology guide, best practices, examples, generator templates, customization tools, are made available to Central CAD Managers. Thus the implementation of a flow adapted to the use of the standard IEEE 1685 / IP-XACT is considerably accelerated and simplified. The customer can then count on service and support for subsequent adjustments of his flow.

## **Magillem Crystal Bulb (MCB): Design Data Intelligence for all!**

**Magillem Crystal Bulb (MCB)** is a powerful and incrementally customizable framework that helps consolidate and monitor virtually unlimited datatypes. It edits design information and extra-functional metadata in the same environment. Every SoC stakeholder views, tracks, monitors and shares efficiently all design objects (board, product, SoC and IP), thanks to the catalog concept, which enables to view and edit objects at facet level.

**MCB** provides a powerful query and search mechanism coupled with a sophisticated linking feature, and consolidates project history, thanks to an impressive reporting module.

## **Magillem Architecture Intent (MAI): Architects-SoC Designers side by side**

**Magillem Architecture Intent (MAI)** is a front-end design environment that captures connectivity and memory requirements in IP-XACT. This tool, much more efficient than Visio®, enables to build the architecture of the system, either from the software map (software intent flow), or from the block diagram (hardware intent flow). And it translates Architecture intent into an IP-XACT draft platform automatically.

**MAI** bridges the gap between architects and SoC designers by keeping software intent and hardware refinement synchronized, for a better end-to-end traceability and consistency.

## **Magillem Content Publisher (MCP): The true collaborative solution!**

**Magillem Content Publisher (MCP)** is a comprehensive digital publishing suite that automatically assembles and publishes heterogeneous contents fragments, thus facilitating their reuse and repurposing. This platform aligns perfectly design and documentation, thanks to a set of powerful metadata and a semantic linking facility.

Based on XML, **MCP** facilitates the automation of documentation production by merging design information from various sources, resulting in acceleration of content updates. MCP offers a reuse content strategy and maximize the value of content assets.

Since its creation in 2006, **Magillem** has been the pioneer in leveraging business content in top tier accounts worldwide. **Magillem** has been listed on Euronext Paris since 2009 (FR0010827741) and is trusted by numerous clients like Altera, Intel, Samsung, Renesas, NXP, ST Microelectronics, Texas Instruments, Thales, Bosch, Megachips. In 2017-2018, company sales will top US\$ 9million, 94% from export. **Magillem** has 48 employees, including 45 engineers and PhDs in Research & Development alone. With an office in Tokyo and one in Shanghai, a subsidiary in Korea, 3 agencies in the United States (New York, Austin and the San Francisco Bay area) and 4 distributors in Asia and Israel, **Magillem** is present everywhere its customers require local support.

We look forward your visit at DAC 2018, booth #1351 !  
Please email us your request at [contact@magillem.com](mailto:contact@magillem.com)  
Contact : Ariane Delanerie at [ariane.delanerie@magillem.com](mailto:ariane.delanerie@magillem.com)  
[www.magillem.com](http://www.magillem.com)