

Siemens' Capital software helps Groupe PSA digitalize aftersales documentation

- **Siemens' Capital is selected by Europe's second largest car manufacturer to automatically render electrical system diagrams, replacing manual processes**
- **Accurate documentation helps ensure rapid and effective vehicle maintenance, helping Groupe PSA realize a 30% schedule reduction**
- **Capital is part of the Xcelerator portfolio of software, which is enabling tomorrow's electronic design today**

Siemens today announced that Siemens' [Capital™ software](#) electrical design product for its automotive aftersales documentation has been selected by Groupe PSA, the second largest car manufacturer in Europe. Groupe PSA is an early innovator of autonomous and connected cars, manufacturing five car brands: Peugeot, Citroën, DS, Opel and Vauxhall. The company has an established process of supplying its facilities with after-sales service documentation with several types of design deliverables aiding rapid diagnosis. Using Capital's advanced technology, Groupe PSA has replaced a largely manual process and can now automatically render their electrical system diagrams using data that comes directly from the PSA electrical/electronic (E/E) engineering department and their harness suppliers to help provide "correct-by-construction" assurance. The result is accurate documentation created using "as-manufactured" data provided by Groupe PSA's suppliers which helps ensure rapid and effective vehicle maintenance when required. Groupe PSA can now better enable their digital enterprise and continue to innovate the mobile solutions of the future.

In-house tools for electrical systems can be expensive to maintain, with challenges including IT obsolescence, out of date specifications, and increasing electrical/electronic system complexity, meaning manual processes can no longer cope and are error-prone. The Groupe PSA team needed a seamless, easy-to-use technology to help ensure electrical data continuity. After exploring the software tools available, it selected Siemens' Capital which provides "correct-by-construction" automated electrical documentation through diagram synthesis.

"Using Capital for electrical design and aftersales documentation has produced tremendous time and cost savings," stated Yves Bouvier, vice president of Diagnosis, Groupe PSA. "We have already achieved a significant schedule reduction using Capital to deliver our complete schematic after-sales documentation and are targeting above 30% schedule reduction."

Siemens' Capital E/E systems development toolchain spans the full electrical system development process from system definition, through design and manufacturing, and into automated service documentation production. Digital continuity of Groupe PSA's electrical data using Capital enables aftersales documentation driven directly by the actual engineering design data. This provides data accuracy, efficiency and a reduced time to market, which is a competitive advantage in today's fast-moving automotive industry. Capital is part of [Xcelerator](#), an integrated portfolio of software, services and application development platform that can be personalized and adapted to fit customer and industry-specific needs to help companies of all sizes become digital enterprises.

"Groupe PSA has been on the cutting-edge of automotive developments, and they recognize the importance of adopting advanced technologies, such as our Capital solution," stated Martin O'Brien, senior vice president of Siemens' Integrated Electrical Systems business group. "Using Capital's in-built digital data continuity, Groupe PSA realizes a competitive advantage, and we anticipate providing them with more digitalization technologies for their next-generation endeavors."

To learn more about the Capital solution,
visit: <https://www.mentor.com/products/electrical-design-software/>.

Contact for journalists

Suzanne Graham

Phone: 503-685-7789; E-mail: Suzanne.graham@siemens.com

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