RECENTLY COMPLETED PROJECT TIGHTENS CONSUMER SECURITY GAPS

WITH MORE DEVICES ONLINE, THE VESSEDIA PROJECT GOES A LONG WAY TO ENSURE SAFE HARDWARE AND SOFTWARE FOR TOMORROW

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VILLACH, AUSTRIA—VESSEDIA is changing the way software developers do their work, and with cybersecurity moving to the forefront in the EU, the timing is just right. As more and more devices join the internet as a result of IoT (the Internet of Things), security for each and every one becomes a rather important concern. More exposed devices means more opportunities for hackers to attack. From smart lightbulbs to modern appliances, the exploitation of vulnerabilities and coding errors is a major concern around the world. The European Commission, recognizing this growing threat, funded the VESSEDIA project in early 2017.

Under the coordination of Technikon in Austria, this Horizon 2020 project brought together partners in the fields of industry, research and certification. With ten partners from seven European countries, the consortium developed tools and methods to make software safer—especially for embedded applications. After three years, VESSEDIA partners released new tools and brought improvements to existing standards and software verification tools that are already used. Many of these software tools were designed to be available to developers via open source platforms, which ensures their wide spread and cost-free distribution. Furthermore, the partners in VESSEDIA published a multitude of scientific papers , the new ISO 23643 standard on V&V tools, and created the brand "Verified in Europe" to disseminate their findings to support the work of future projects in this arena.

While the world of software and hardware development may always have vulnerabilities, EU projects like VESSEDIA take a bite out some of the broader issues seen today. Using the strength of diversity and experience of established partners, the result will undoubtedly contribute to a better software development environment in Europe.

Technikon is a private research service and engineering company in Austria working on security concepts and solutions and managing multinational teams in the organization, execution and assessment of cooperative research projects. Technikon is Europe's leading private company coordinating and disseminating technology-based cooperative European research projects.

For more information about the VESSEDIA project, visit our web site or contact the coordinator directly:

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