



CUSTOMER SUCCESS STORY

RECIF Technologies

• SEMICONDUCTORS • CONNECTIVITY TESTING • AUTOMATION



Testimonial from **Thomas Brillouet**, R&D Director, RECIF Technologies

"Agileo Automation's combined [Speech Scenario](#) and [E84 PIO Box](#) solution reduced our factory acceptance and response times by 50% to 70%."



A comprehensive, flexible solution to quickly and securely conduct FATs before shipping manufacturing equipment to client fabs



Full compliance of semiconductor manufacturing equipment with SEMI connectivity standards before on-site commissioning



A timely and reliable technical support team with deep software expertise to ensure fast and reliable fab equipment integration

The client: RECIF Technologies

Founded in 1985 and headquartered in Toulouse Blagnac in southwestern France with offices in Taiwan and the USA, [RECIF Technologies](#) is a leader in the design, manufacture, and distribution of fully automated atmospheric handling equipment, wafer sorters, and front-end equipment modules (EFEMs). The company has an installed base of more than 1,000 tools worldwide, supported by an extensive global network of distributors.

RECIF provides some of the world's most reputable chip makers with leading-edge semiconductor manufacturing equipment that needs to meet the most demanding standards and stringent requirements of cleanroom environments. To ensure the seamless integration of their production machines on client sites, RECIF relies on Agileo Automation's combined [Speech Scenario](#) and [E84 PIO Box](#) solution to more effectively emulate fab hosts to validate [SECS/GEM](#) tool scenarios and ensure test compliance with SEMI connectivity standards before shipping to global customer fab sites.

Let's take a look back at this successful partnership with the testimonial from **Thomas Brillouet, R&D Director at RECIF Technologies**.

Leading-edge testing solution

Until four years ago, RECIF was using an older inflexible solution to conduct their software automation Factory Acceptance Tests (FAT) that wasn't automated, required manual typing, and was prone to human error which wasn't efficient nor reliable. RECIF needed a comprehensive and adaptable fab host emulator that could handle various field scenarios. With Agileo's [Speech Scenario](#), RECIF can automate tests and leave the system running remotely for extended periods, over weekends, or entire holidays. Tests can be replicated in-house under real-world chip production conditions, resulting in significant gains in ergonomics, simplicity, legibility, and flexibility. Agileo's [E84 PIO Box](#) compact hardware is used as a complementary measure to test full compliance with SEMI's E84 connectivity standard before tool shipping.

"We felt an immediate fit with the Agileo team due to our geographical proximity, cultural affinity, as well as their deep understanding of our needs," explains Brillouet. ***"Agileo's testing solution is far superior to any other we have used so far – it is more modern, user-friendly, and scalable. It performs a wide range of tasks and adapts well to our use cases."***

Reduced deployment risks

Agileo's Speech Scenario has proven to be an essential tool for RECIF. It is used daily to emulate fab hosts and validate standard [SECS/GEM](#) tool scenarios during FAT tests, with the ability to create new scenarios to address clients' specific requests. As a result, RECIF is able to address client needs more closely by providing them with new solutions that tackle problems directly, saving them a lot of time in the process. RECIF understands better and sooner what happens between the host and the equipment with clear, legible messages in different languages.

Benefits

- Reduced deployment risks
- Full compliance with SEMI standards
- Focus on core business
- On-time manufacturing equipment deliveries
- Long-standing strategic partnership with Agileo's technical teams

About Agileo Automation

Agileo Automation is a trusted partner for equipment manufacturers, helping them build smarter, automated, and more connected machines that integrate seamlessly into advanced semiconductor fabs. Founded in 2010 in Poitiers, France, Agileo Automation helps OEMs optimize control, communication, data acquisition, and testing across their tools through proven software frameworks, applications, and expert support. Its flagship [A³ECE-SEMI](#) framework provides a solid foundation for developing equipment controllers fully aligned with SEMI SECS/GEM, GEM300, and [EDA](#) standards. As an active member of SEMI and the OPC Foundation, Agileo Automation contributes directly to shaping the standards that drive Industry 4.0 manufacturing.

"With Speech Scenario, we have gained in autonomy and reduced our deployment risks," says Brillouet. ***"Once our production equipment reaches global client sites, all we have to do is address our clients' specific requirements during integration, resulting in fewer iterations and log exchanges. We also know that our equipment is fully compliant with SEMI connectivity standards before they leave our building, thus ensuring seamless commissioning."***



Increased customer trust

By adopting Agileo's combined [Speech Scenario](#) and [E84 PIO Box](#) solution, the RECIF team has reduced its response and testing times by 50% to 70%, leading to both greater reliability and cost-effectiveness for the commissioning of their semiconductor manufacturing equipment.

"Our partnership with Agileo enables our company to focus on the growth of our core business and gives us the assurance that we can deliver fully tested and compliant production equipment to clients on time in a highly competitive market," concludes Brillouet. ***"Since implementing Agileo's testing solution, we have gained in customer trust and confidence."***