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SME Pitches - POLLEN

**Collaborative AI-Powered Software Framework to Accelerate Yield in
Semiconductor Industry, Displays & Advanced Materials**

Johann FOUCHER

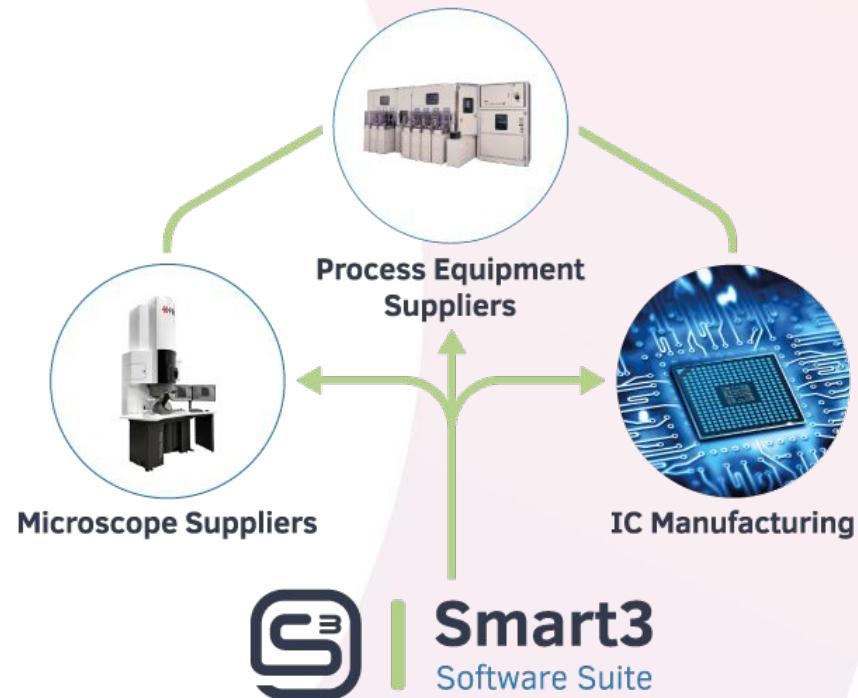
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johann.foucher@pollen-metrology.com

Pollen at a glance

- **Process Control Software Company**

- Founded: 2014
- Location: Grenoble (France)
- Number of employees: 18 (13 R&I)
- Sales: 3M€
- Customers: Europe, US, Asia
- R&I (expenses as a % of sales): 1M€
- Competences and products: Pollen develops a collaborative AI software framework that integrates metrology, inspection and manufacturing data to accelerate process control and yield optimization in semiconductor manufacturing.
- Contact details: Johann Foucher, CEO, johann.foucher@pollen-metrology.com
 Richard Fontanges, Program Manager, richard.fontanges@pollen-metrology.com





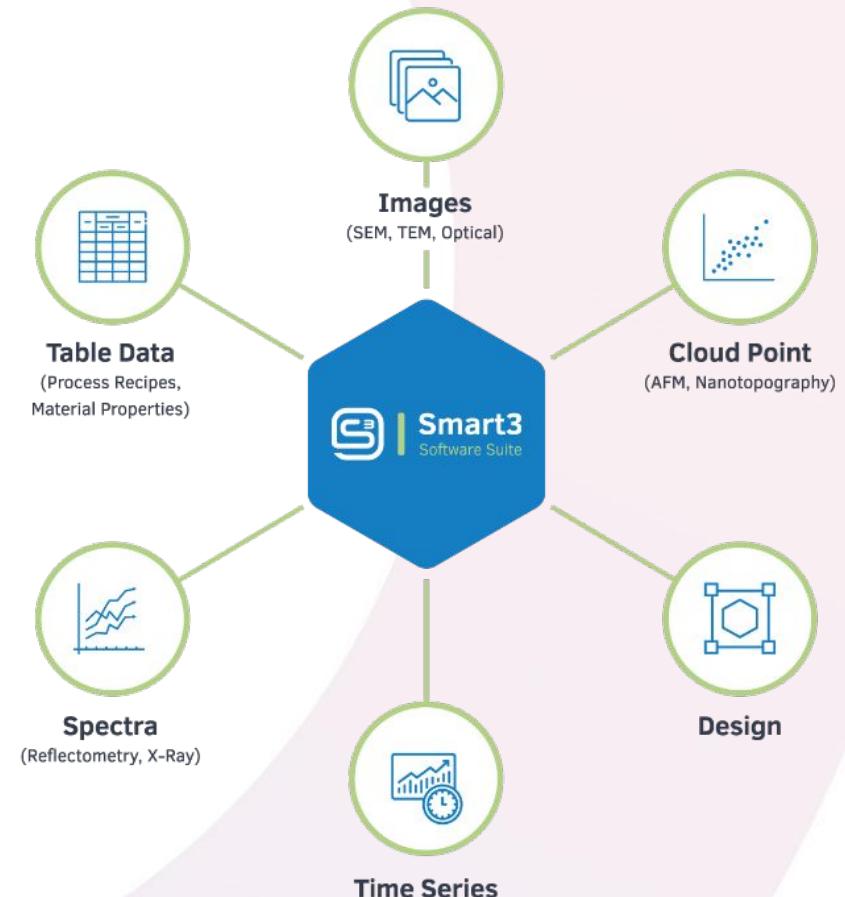
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Pollen's Activities

- **Technology:** 10 years technology development to create a unique Generic AI-Driven Process Control Software Framework
- **Our mission**
To empower manufacturers and equipment makers with smarter, faster, and more collaborative ways to optimize R&D, production and fabless processes.
- **Our solution: Smart3 Suite**
A modular, open, and secure platform integrating **metrology, inspection, and yield optimization** — powered by AI and tailored by customers teams.
- **Trusted by industry leaders**
Deployed at leading fabs and equipment makers

Bridging Data Silos in Material Science with Collaborative AI for Yield Enhancement



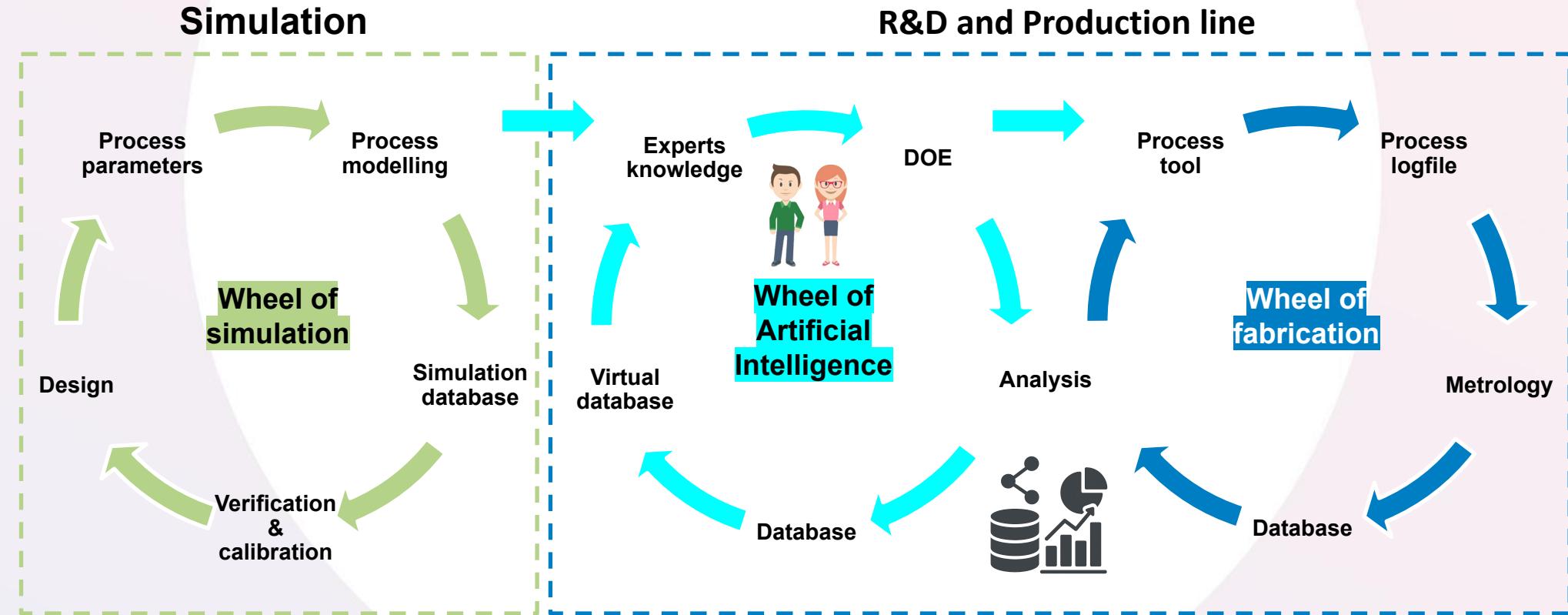


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Pollen's Mission

Augmenting Engineers Through
a Continuous AI-Driven Development Loop

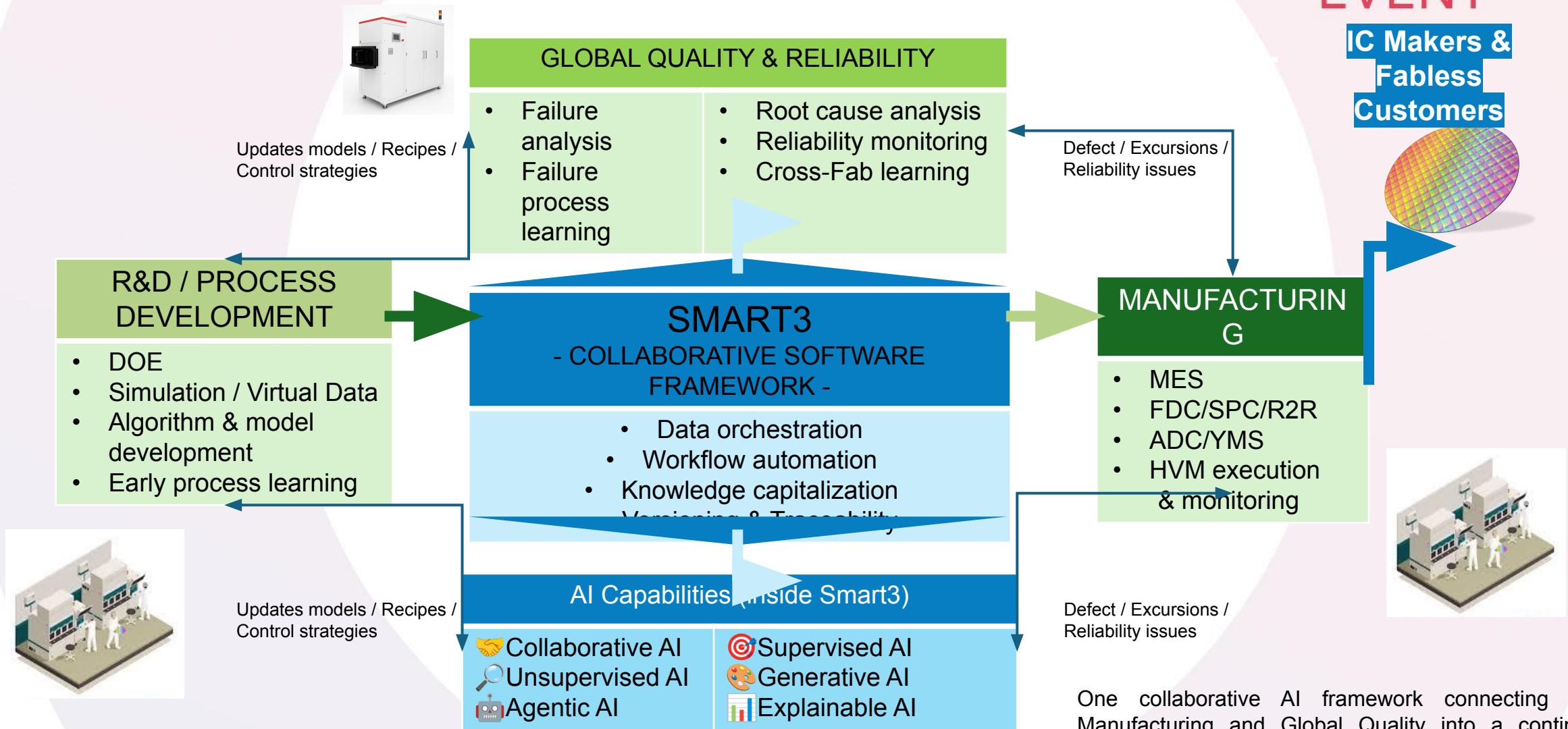


The Sixth Layer: Orchestrating All AI Technologies Seamlessly - Smart3 Collaborative Software Framework for Fabs & Fabless



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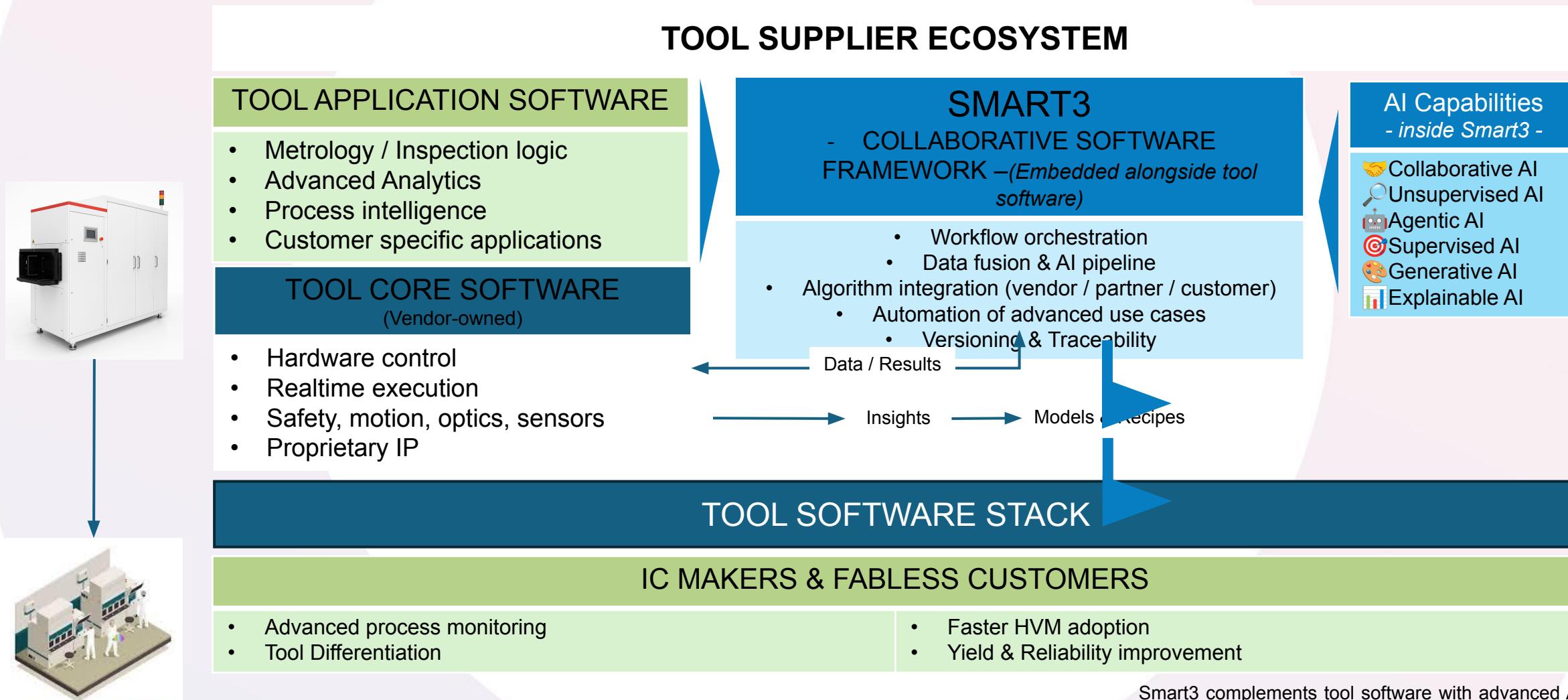
**IC Makers &
Fabless
Customers**



Smart3 seamlessly integrates with tool software



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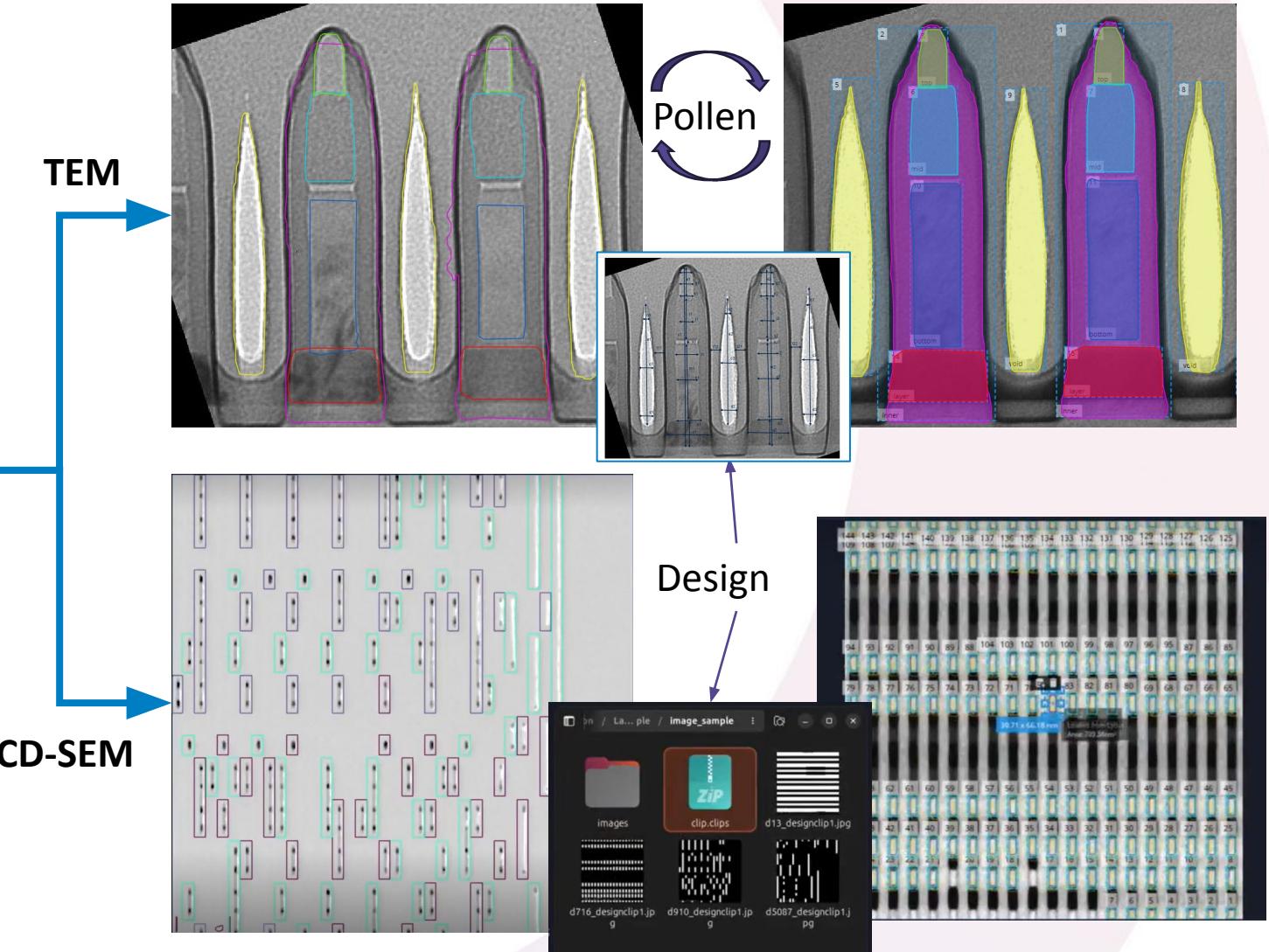
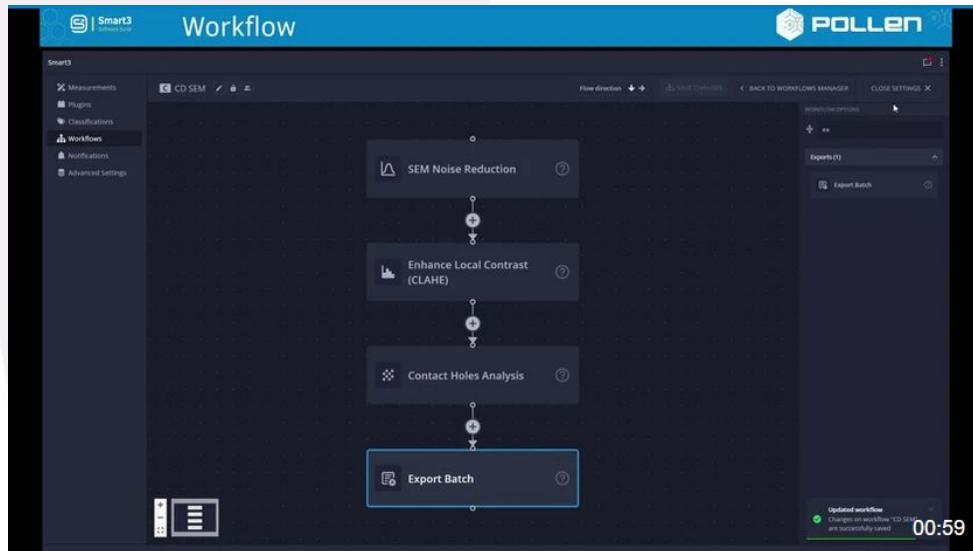


Smart3 complements tool software with advanced AI-driven application capabilities, while full control of hardware and core software remains with the equipment vendor

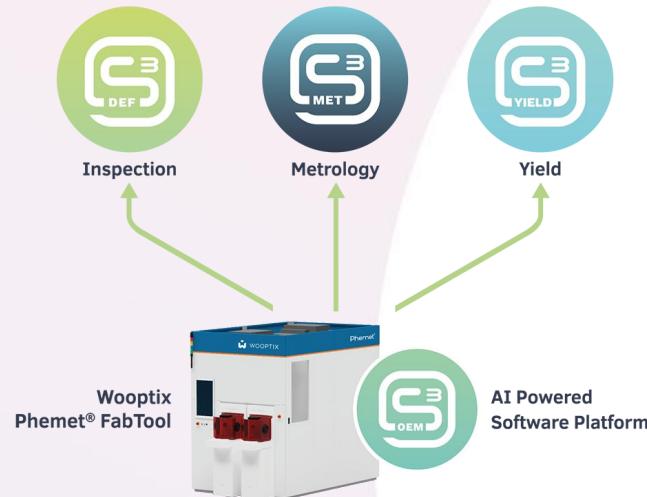
Examples of workflows for Metrology for R&D



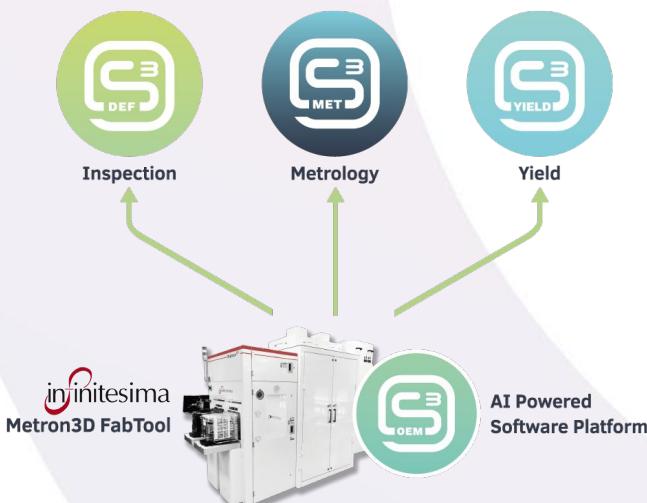
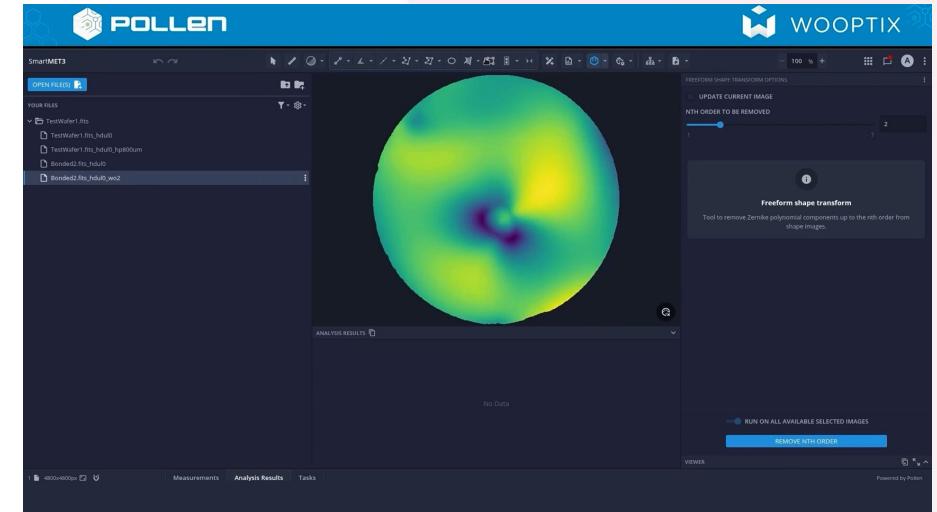
- **No Code Workflow Creation**



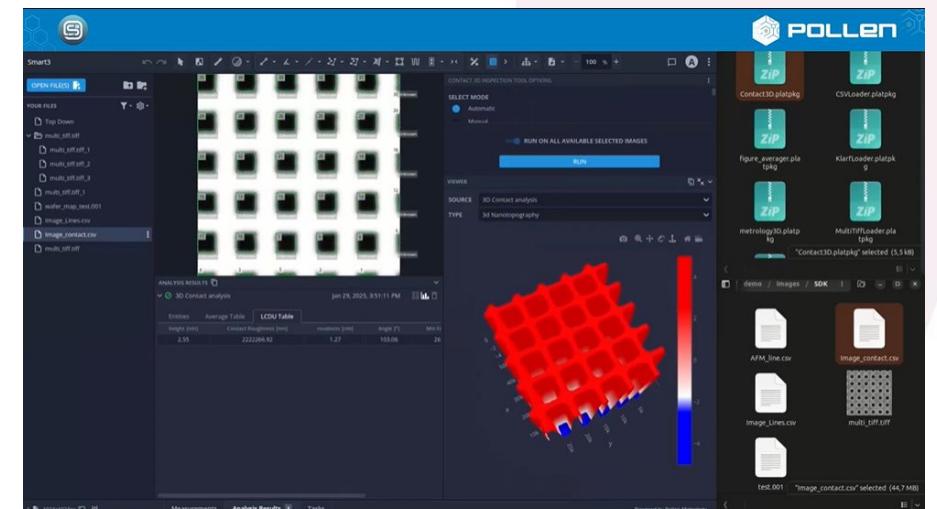
Examples of Smart3 integration within Equipment



Wavefront Phase Imaging



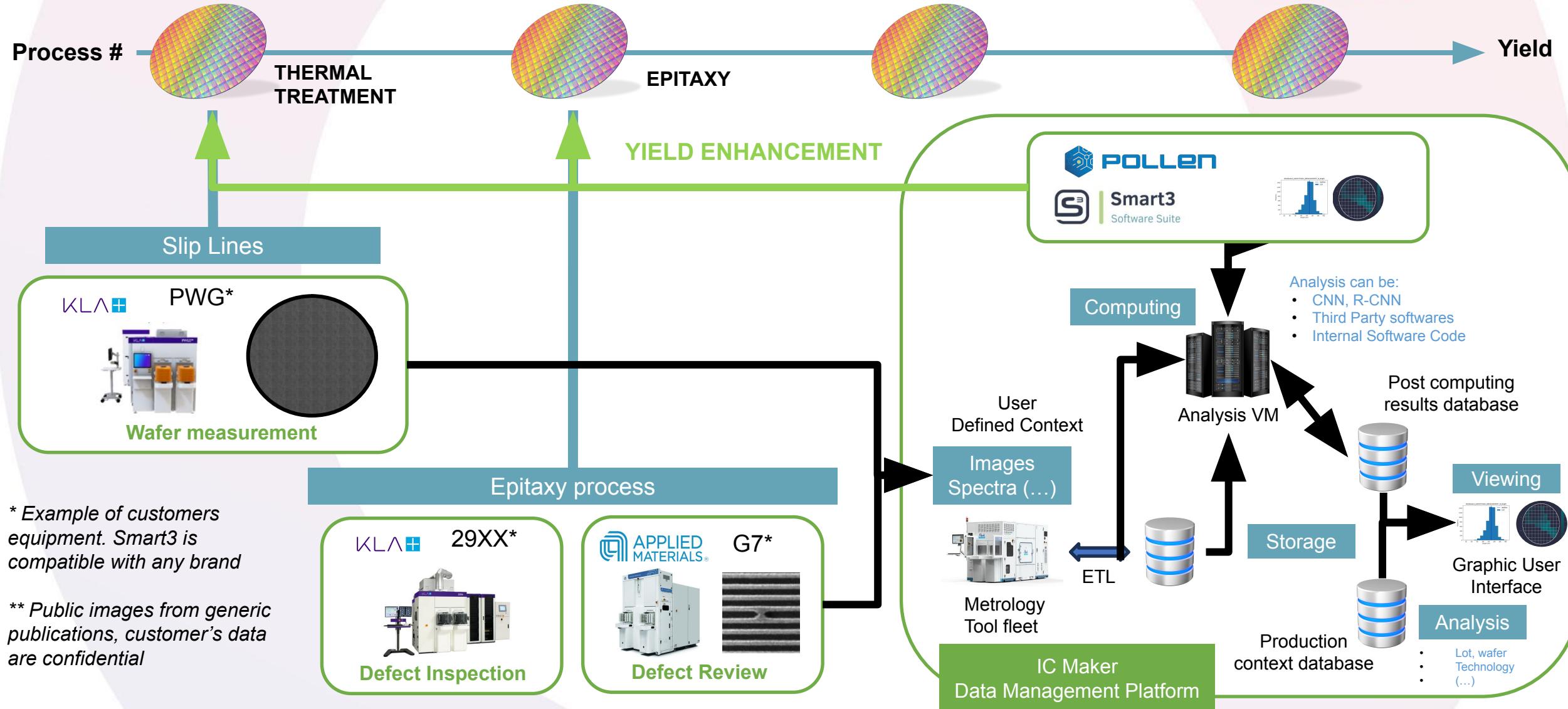
Atomic Force Microscope



Example of Smart3 integration within Manufacturing Fabs



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Pollen's Activities

- Previous experience with EU collaborative projects
 - EMPIR Project : nPSIZE, as a partner (01/05/2018 - 31/10/2021)
(Improved traceability chain of nanoparticle size measurements)
- Interaction with the 3IAs or other ETPs
 - Member of AENEAS
 - Member of Minalogic (French cluster)

Collaboration Expectations

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**Collaborative project of
interest to you**

- *Chips JU*
- *Horizon Europe*
- *Eureka Clusters*

Scope

AI-based Yield enhancement: processes for innovative materials and structures)

Project idea

Open for partnership in an ambitious project

Project impact

Accelerate process development and maximize yield with a Scalable Software European Sovereign Framework Solution

Project consortium

Looking for consortium which needs an open collaborative platform to glue yield, metrology, defectivity models and software bricks