

What's new in SIMATIC IT R&D Suite 7.3

Delivering specification management, formula development, and laboratory information management in one unique application

Benefits

- Faster time-to-market
- Rationalized and harmonized product range
- Faster exchange of product data with partners
- Reduced administrative tasks and errors
- Well-maintained product quality and compliance
- Cost reduction in new product development and introduction (NPD/NPI)
- Standardized intellectual property throughout the company

Summary

SIMATIC IT R&D Suite V7.3 is the fourth version released on the next-generation platform that will embed all functionality from the classic product portfolio, including SIMATIC IT Unilab, SIMATIC IT Interspec, and R&D Libraries (Electronic Lab Notebook/Formula Workbench). SIMATIC IT R&D Suite V7.3 represents a major technological evolution, providing lightweight client applications to the user, employing web technology and HTML5. This release is primarily focused on product specification management and product formulation capabilities, and is a successor to the SIMATIC IT Unilab, SIMATIC IT Interspec, and SIMATIC IT Formula Workbench solutions.

Improvements in SIMATIC IT R&D Suite 7.3 includes:

Specification management

- BOM explosion provides a bill of material tree for a selected specification along with all its lower levels.
- Nutritional declaration to generate nutritional fact declarations for products of food and beverage industries
- Support of attached specifications enabling creation of hierarchy trees

Formula Workbench

- The Formula Workbench delivers functionality that enhances trials, experimentation, formula and recipe creation within a research environment. Users can design new product formulas or optimize existing ones. They can create "what-if" scenarios for new formulas, raw materials, packaging materials and ingredients, and compare the performance of new formulas or ingredients in terms of quality, quantity and components.

Context-based result validation

- Specially designed for parameter value validation based on statistical data. The new view displays parameters to be validated in rows, and samples and statistical data in columns.

Fully configurable launchpad

- Available per user group; embeds widgets and reports

What's new in SIMATIC IT R&D Suite 7.3

Technology

- SWAC integration completes the quality task integration in Unified Architecture (UAF)
- FLEXIm license management replaces ALM

Improved usability

- Improvements to application usability and performance for more speed and efficiency

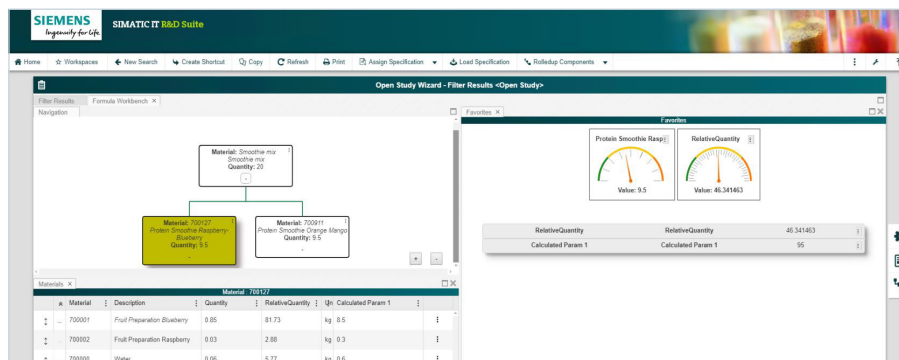
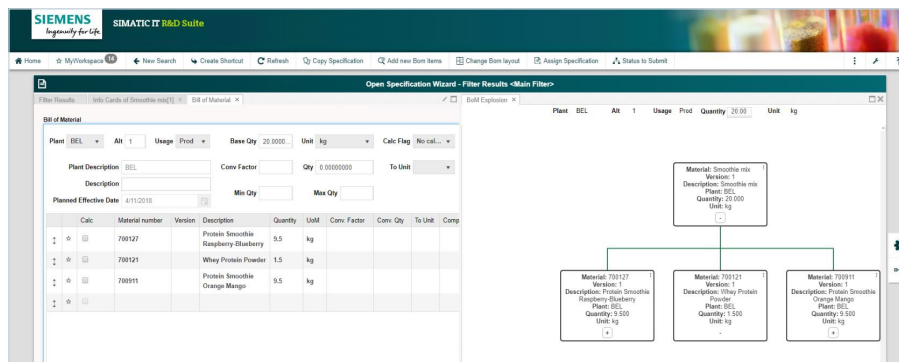
- Define tasks enables users to configure filters including information fields
- For a complete list of enhancements, reference the software release notes.

Specification management

The SIMATIC IT Specification Management system enables process industries to develop, configure and manage all product specifications (raw materials, intermediate and finished products,

packaging materials and others), carrying product characteristics, recipes, production methods, quality norms, artwork, documents and other important data, and storing them across the corporation in a single, controlled data repository.

To meet the requirements of stringent regulations, strong competition and increasing consumer awareness, companies must constantly innovate their product development processes. Speed, efficiency and security in food, chemical or pharmaceutical product manufacturing can only be realized when product information is well managed and available in a structured way, throughout the enterprise and outside its boundaries. This can be achieved with clear product specification management. Efficient specification management not only reduces time-to-market, but also supports harmonization of product ranges, centralized purchasing and collaboration with strategic partners along the supply chain. The Specification Management system facilitates new product development and introduction, and enforces consistent use of correct product data throughout the enterprise.



Formula Workbench

R&D Suite offers Formula Workbench functionalities. These complement the product lifecycle management (PLM) and laboratory information management system (LIMS) processes supported by the applications of the SIMATIC IT R&D product suite. The Formula Workbench is a tool for efficient innovation and intellectual property protection. It comes with features that enhance trials, experimentation, formula and recipe creation within a research environment.

All of these capabilities streamline the capture of experimental data. Users can:

- Design new product formulas or optimize existing formulas
- Create "what-if" scenarios for new formulas, raw materials, packaging materials and ingredients
- Re-use successful formulas and avoid repeating failures

SIMATIC IT R&D Suite serves as a central point of reference for critical R&D knowledge within a plant, an industry or any R&D community.

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