

SILworX®

Fast and Easy Tracking of Logic Changes (Management of Change)

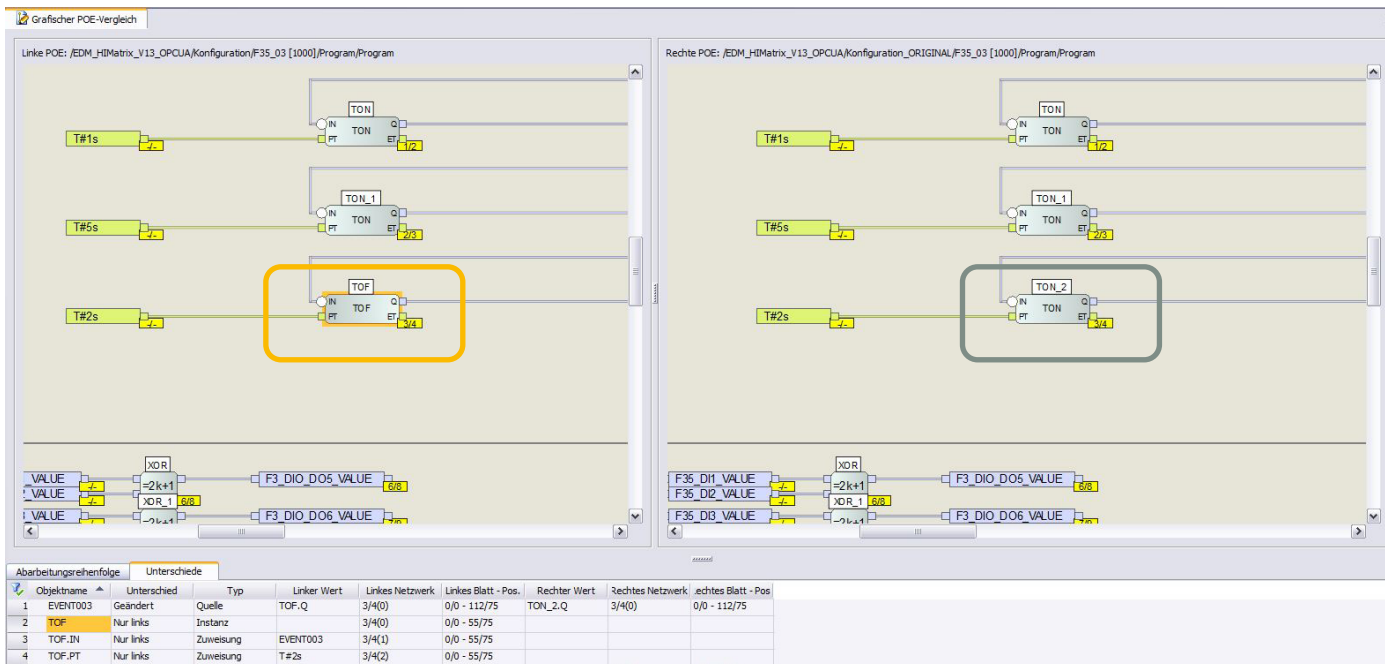
Comparing logics at a glance and making changes visible: SILworX® Smart Comparator simplifies the management of change over the entire lifecycle. It allows you to compare the logic of two programs, functions or function blocks (Program Organization Units) with one another, displaying the changes **graphically** and in tabular form with a high degree of detail. Potential error sources in the application are reduced to a minimum and the results from the change tracking are digitally accessible.

The Smart Comparator delivers improved usability, enhanced traceability and easier tracking of changes in the highly regulated environment of both the process and rail industries - ensuring greater efficiency. Simplified acceptance by regulatory authorities in compliance with the relevant standards.



Efficient design of the Management of Change Process.

- **Traceable changes over the entire lifecycle**
- **Simple graphic representation**
Graphic comparison of two different versions of a logic in side-by-side windows, supplemented by details in tabular form
- **Quick capture and assessment of changes**
- **Simplified impact analysis (FMEAs)**
Implementation of only intended changes
- **A perfect match for the Reload feature**
Online changes without plant downtime



By selecting two different versions of a logic, the differences are highlighted graphically in side-by-side windows and supplemented by details in tabular form.

Management of Change

During the engineering process:

- Simple version management
- Simplified reviews
- Optimized analysis and tracking

Modifications during operation:

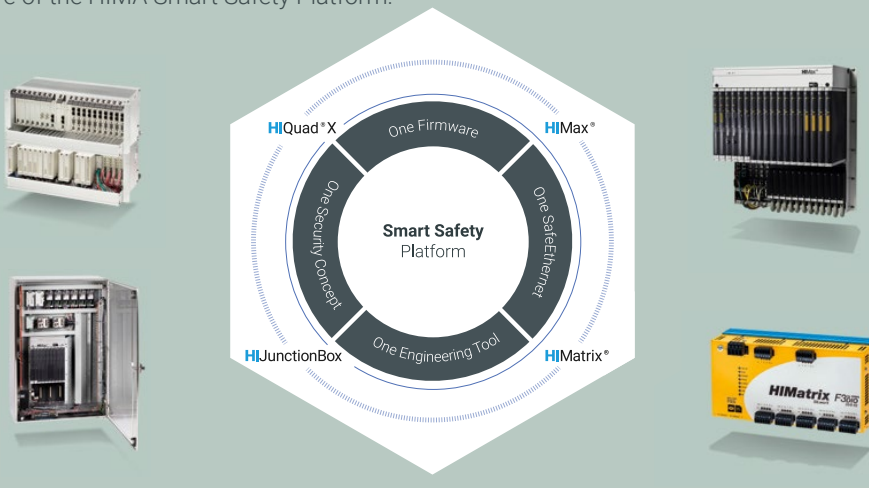
- Improved test planning
- Standard-compliant verification
- Proof for regulatory authorities
- Simplified online modification without compromising the plant availability

Other version comparators only allow comparisons of entire resources and require laborious analysis and manual processing (e.g., before/after printouts with highlighting). With the Smart Comparator, changes are automatically highlighted graphically, displayed in a meaningful way and are transparent to everyone. A considerable advantage, especially in view of even shorter project times, decentralized project locations and reduced resources.

With this in mind, the Smart Comparator simplifies the management of change, ensuring that changes are fast and easy to make, and that the highest level of functional safety is maintained at every stage of the lifecycle. This applies to modifications performed during the engineering process as well as for modifications during operation.

Smart Safety Platform

SILworX® is the programming tool for HIMax, HIQuad X and HIMatrix systems, and for the HIJunction Box. In conjunction with the SafeEthernet protocol, they represent the core of the HIMA Smart Safety Platform.



Function

- Smart Comparator for graphically comparing Program Organization Units (POUs) in SILworX®.

Scope of delivery

- The Smart Comparator is available in SILworX® (version 13) as add-on option.