PROLOGA

SOLUTION BRIEF

ENHANCEMENTS FOR GERMAN GAS SUPPLIERS

ON SAP BUSINESS TECHNOLOGY PLATFORM

Available on SAP Store

VERSION: 03/2025

ENHANCEMENTS FOR GERMAN GAS SUPPLIERS
on SAP Business Technology Platform

Operators of gas supply networks in Germany are required to regulate access to their networks in a cooperative manner. The details of this collaboration are defined in the Cooperation Agreement Gas (KoV). For gas suppliers acting as transport customers, this results in specific communication obligations related to balancing group management, particularly with regard to the associated processes.

The Enhancements for German Gas Suppliers by PROLOGA extend the existing SAP S/4HANA Utilities functionalities with innovative applications designed specifically for gas industry processes. This provides gas suppliers and balance group managers with a powerful, standardized, and future-proof solution to ensure regulatory compliance and optimize balancing group management processes.

As part of the SAP Industry Cloud Portfolio, this solution offers a modern and fully integrated platform that helps companies streamline their processes, minimize errors, and drive digital transformation in the gas industry.

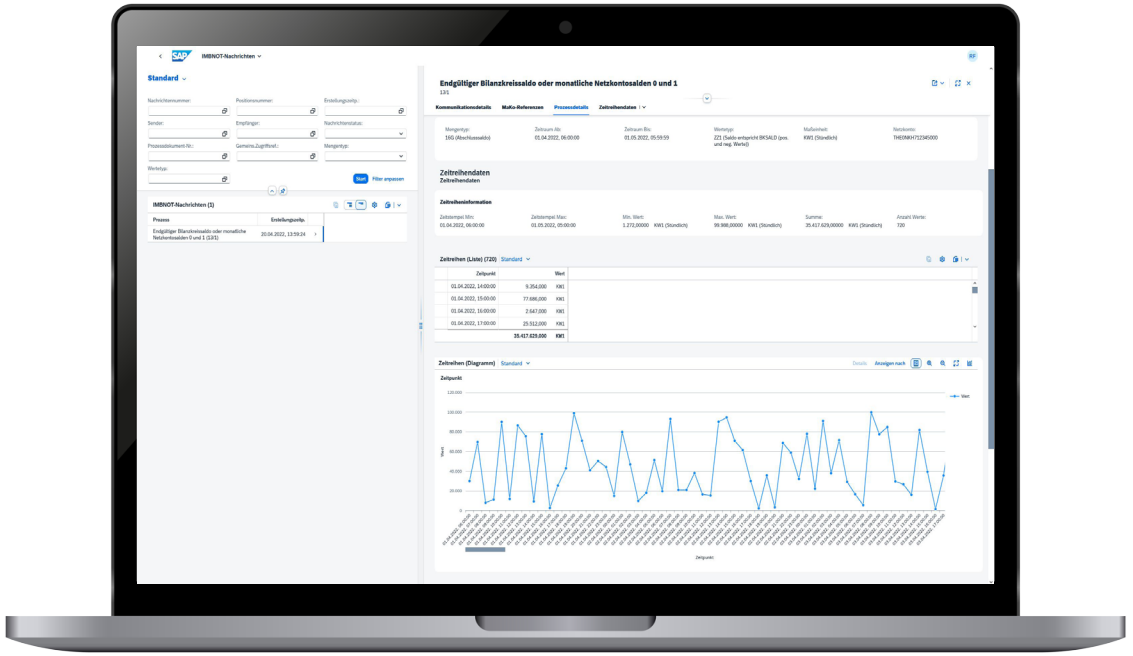

Figure: IMBNOT-Messages

CHALLENGES

The energy sector, particularly the gas industry, faces numerous challenges. Increasingly complex regulations and the need for automated, digital process control present significant technical and organizational tasks for gas suppliers.

Market Communication:

As part of their communication obligations, transport customers must verify the completeness of the declaration lists delivered by the market area manager (MGV).

Balancing Group Management:

To validate the allocation reports issued by the market area manager (MGV), suppliers perform a shadow balancing process. In this context, the balancing group manager and the supplier must exchange data bilaterally. These exchanged datasets must be regularly reviewed for accuracy.

Integration with the MaCo Cloud:

Transport customers are required to participate in the joint market communication. Incoming and outgoing messages must be checked for content and assigned to the appropriate processes. To fulfill this task, they must be able to handle the various GaBi Gas message formats.

The Enhancements for German Gas Suppliers extend the existing SAP S/4HANA Utilities meter-to-cash processes by PROLOGA, offering a powerful solution for automating and monitoring regulatory processes.

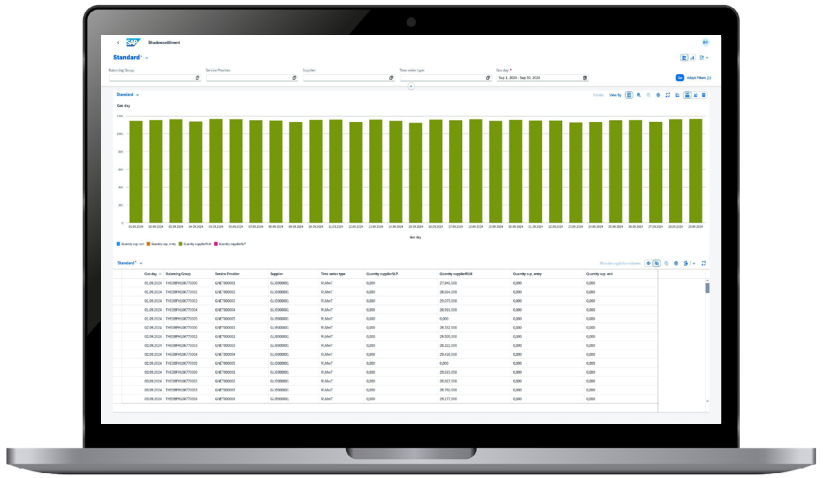

Figure: Shadow Balancing

1. Extends existing SAP S/4HANA Utilities processes to include regulatory business processes in accordance with the Cooperation Agreement Gas (KoV).
2. Integration with SAP Market Communication for Utilities (SAP MaCo Cloud) for compliant data exchange with grid operators and market participants.
3. Connector for receiving message information from the MaCo Cloud, such as TSIMSG/ALOCAT.
4. Modern SAP Fiori apps to optimize usability and control of gas industry processes:

Declaration Management:
This function enables the automated receipt and storage of declarations from market communication. Incoming messages are matched against existing data to identify and correct discrepancies at an early stage.

Balancing Group Management:
The solution provides a shadow balancing feature, allowing balancing group managers to reconcile data with their suppliers using official ALOCAT values. This ensures that deviations can be quickly identified and that necessary adjustments (e.g., in clearing processes) can be made promptly.

Data Exchange Monitor:
A central dashboard displays all processed messages along with their processing status. This enables end-to-end monitoring of data exchanges and helps detect and resolve errors or delays early on.

Market Communication Integration:
The solution is seamlessly integrated with the SAP Application Process Engine (APE) and SAP Market Communication for Utilities. This allows German gas suppliers to efficiently and compliantly meet legal requirements for electronic data exchange in the energy market.

Enhancements for German Gas Suppliers

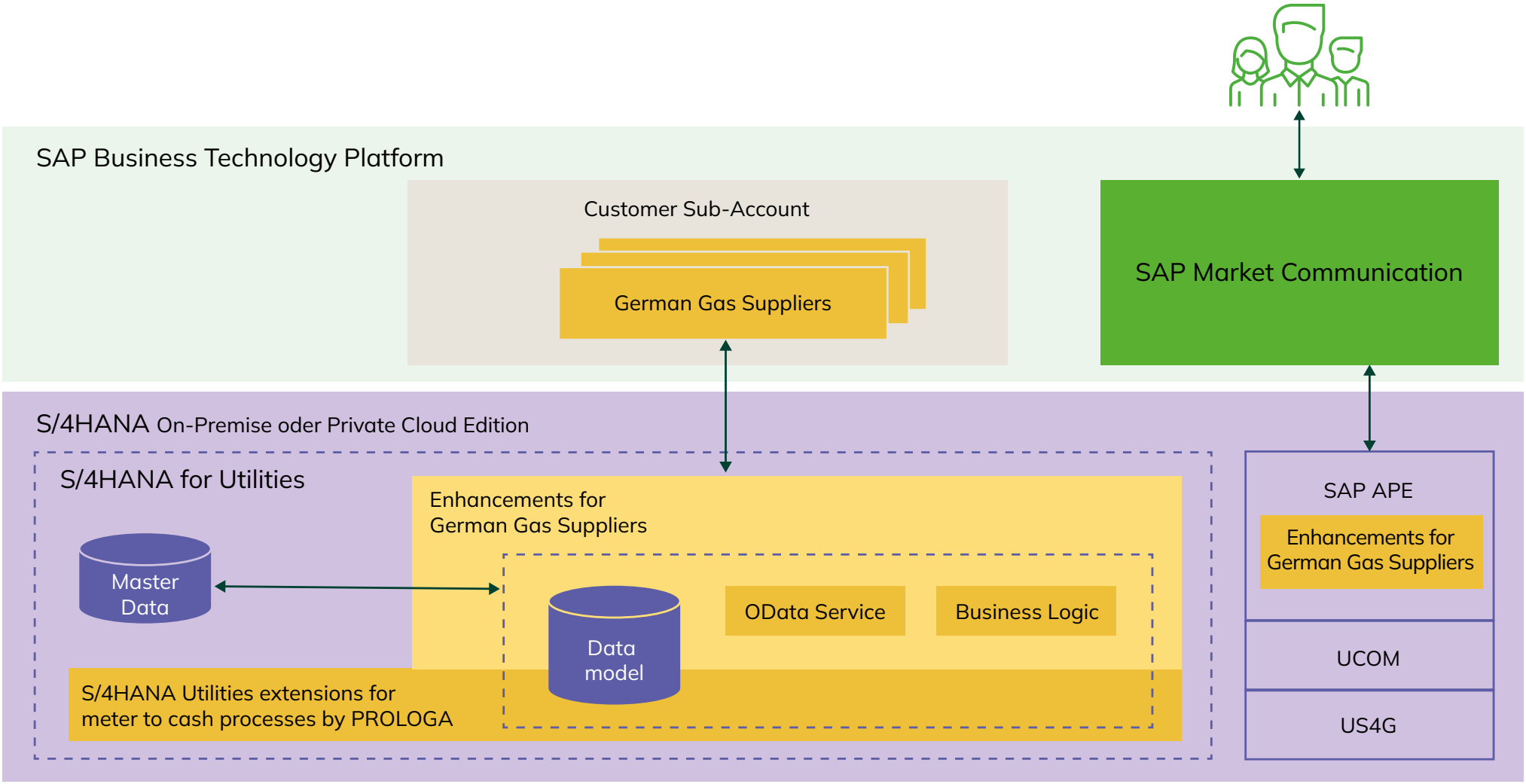

Figure: Schematic Representation of a Gas-Specific System Landscape

Enhancements for German Gas Suppliers

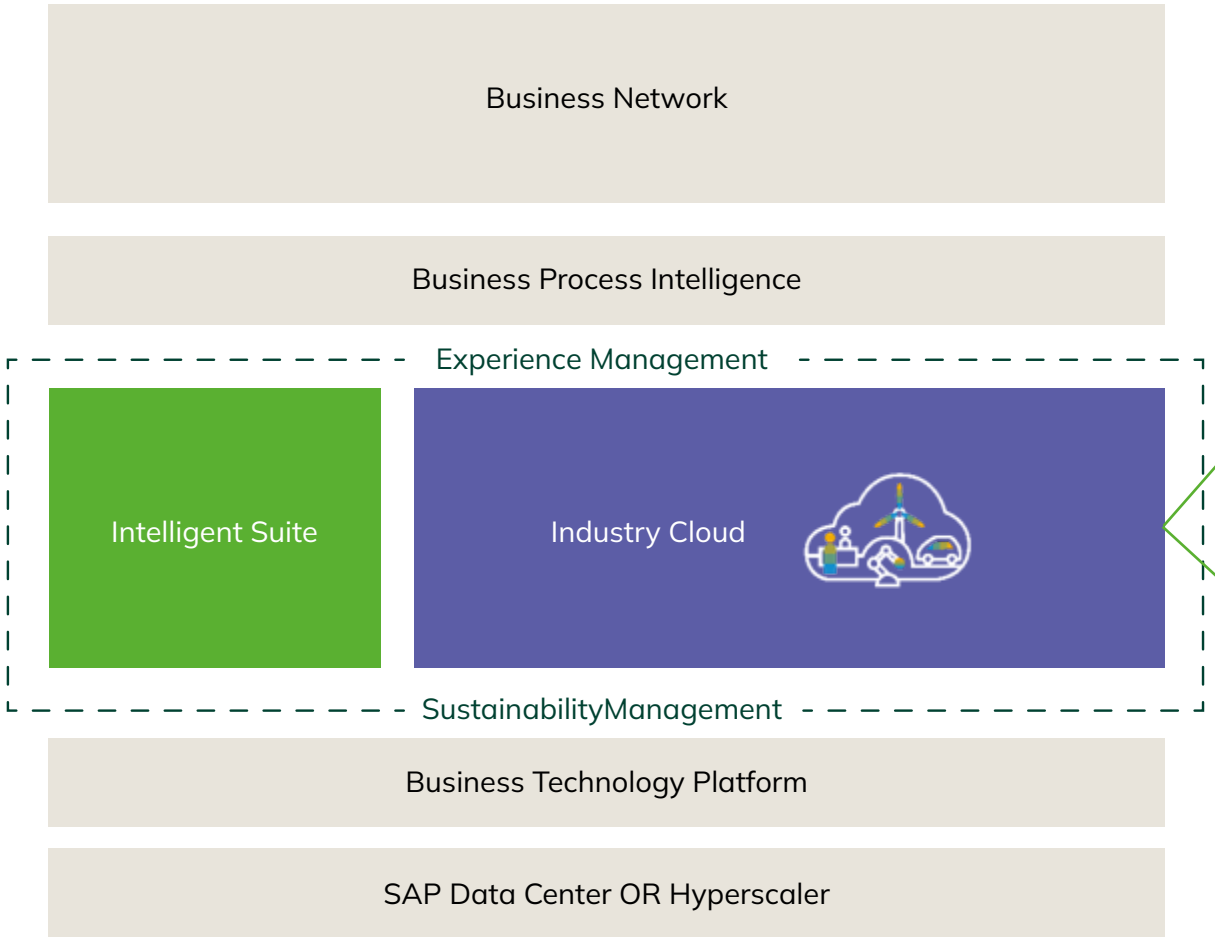

Figure: Enhancements for German Gas Suppliers as Part of the SAP Industry Cloud Portfolio

SAP Solutions

- SAP Market Communication for Utilities
- SAP Subscription Billing
- SAP Cloud for Energy
- etc.

PROLOGA Solution:

Enhancements for German Gas Suppliers

Enhancements for German Gas Suppliers

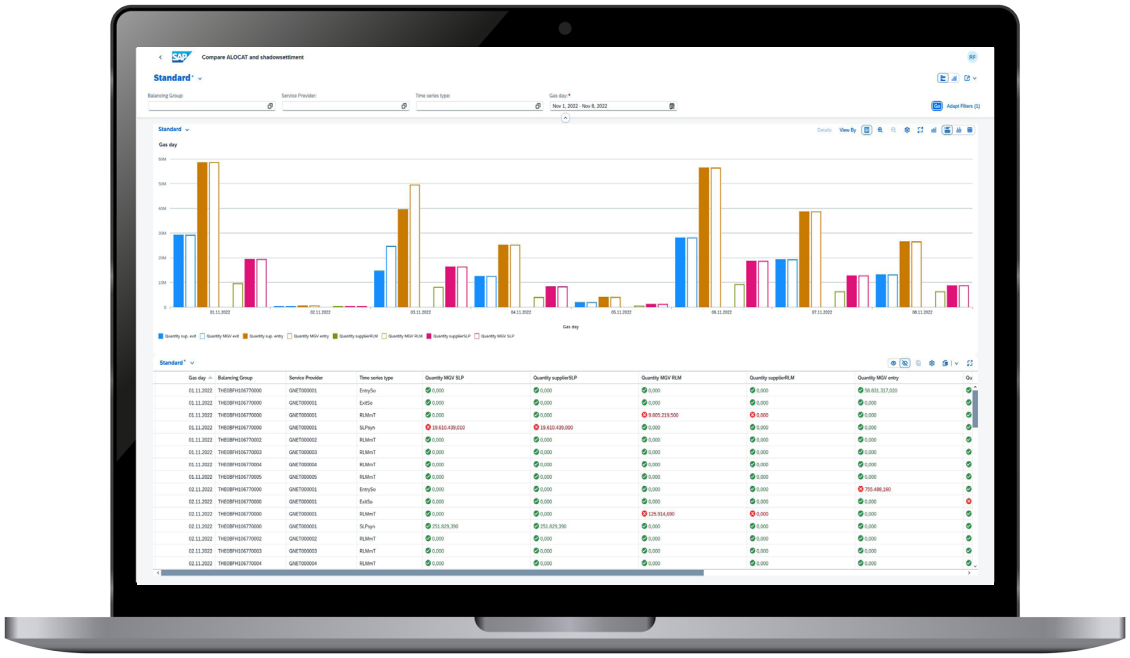

Figure: Comparison ALOCAT / Shadow Balancing

- Automated receipt and storage of declarations
- Reconciliation of declarations with existing data
- Shadow balancing for internal verification of balancing groups
- Overview of all processed messages
- Reconciliation with ALOCAT data for error detection
- Display of IMBNOT quantities and processing status
- Support for SAP Market Communication for Utilities

ENHANCEMENTS FOR GERMAN GAS SUPPLIERS
on SAP Business Technology Platform

The Enhancements for German Gas Suppliers extend the SAP S/4HANA Utilities extensions for meter-to-cash processes by PROLOGA with innovative SAP Fiori applications that provide comprehensive support for executing, monitoring, and analyzing regulatory gas processes.

This solution helps companies efficiently implement the requirements of the Cooperation Agreement Gas (KoV) while ensuring transparent and compliant management of key gas industry processes.

Enhancements for German Gas Suppliers – Part of the SAP Industry Cloud Portfolio

In addition to Enhancements for German Gas Suppliers, PROLOGA Energy offers a wide range of additional applications for the electricity and gas sectors on the SAP Business Technology Platform.

Learn more about the solution and schedule a personal demo with our experts::

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SAP Store - Enhancements for German Gas Suppliers

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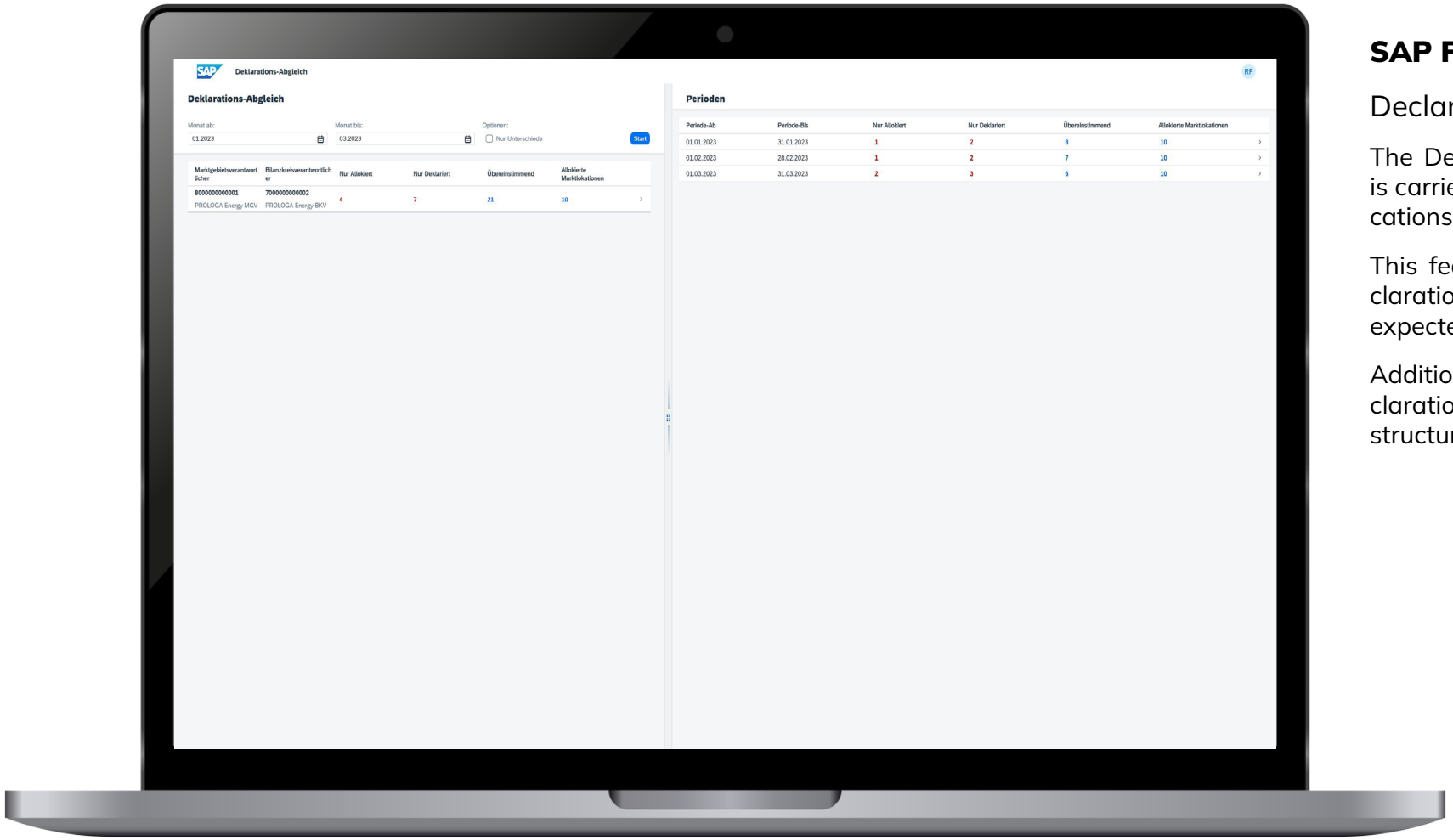


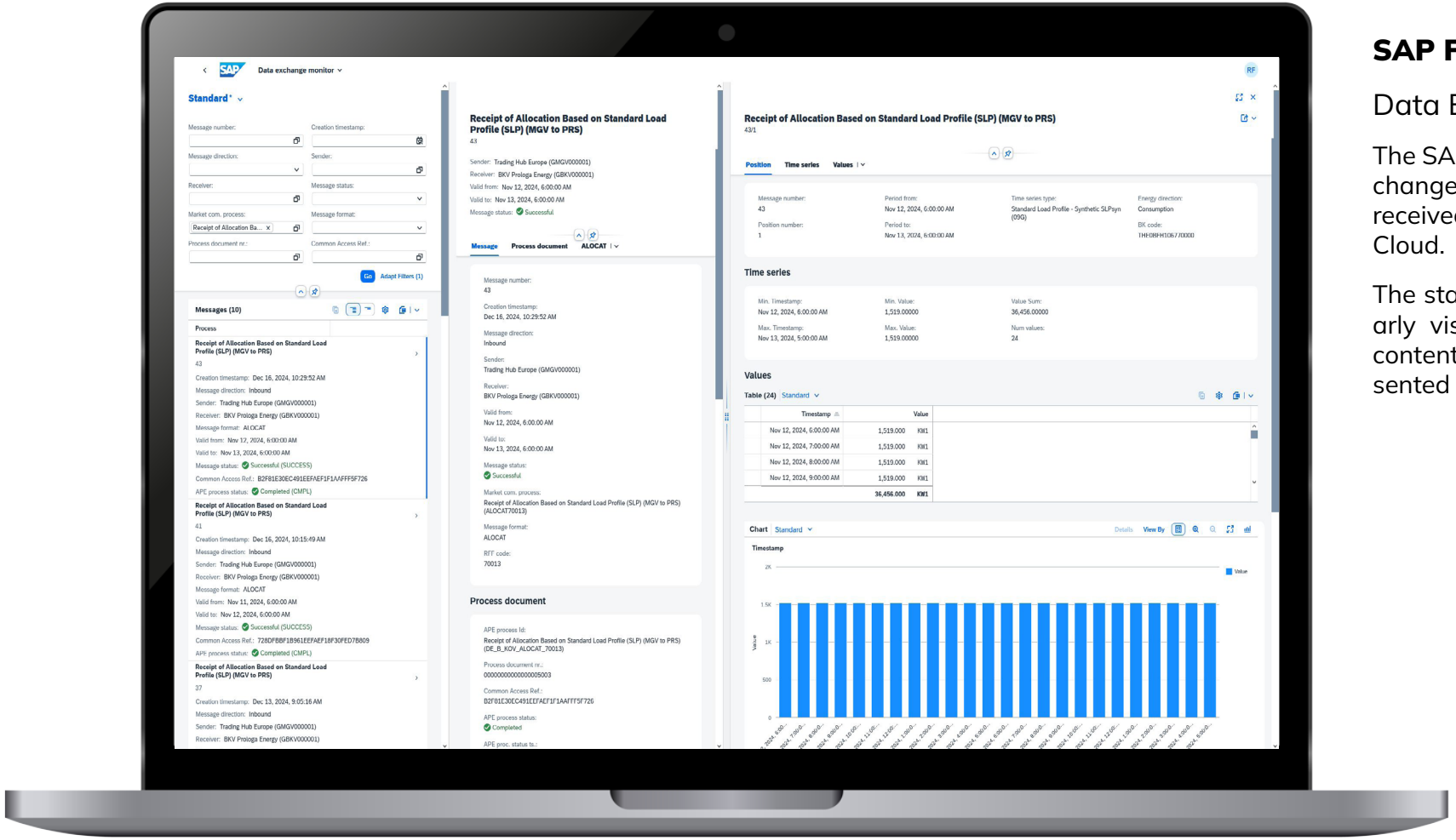
SAP Fiori-Applications

Declaration Matching

The Declaration Matching process is carried out using SAP Fiori applications.

This feature displays received declarations and compares them with expected declarations.

Additionally, the status of each declaration is presented in a clear and structured overview.

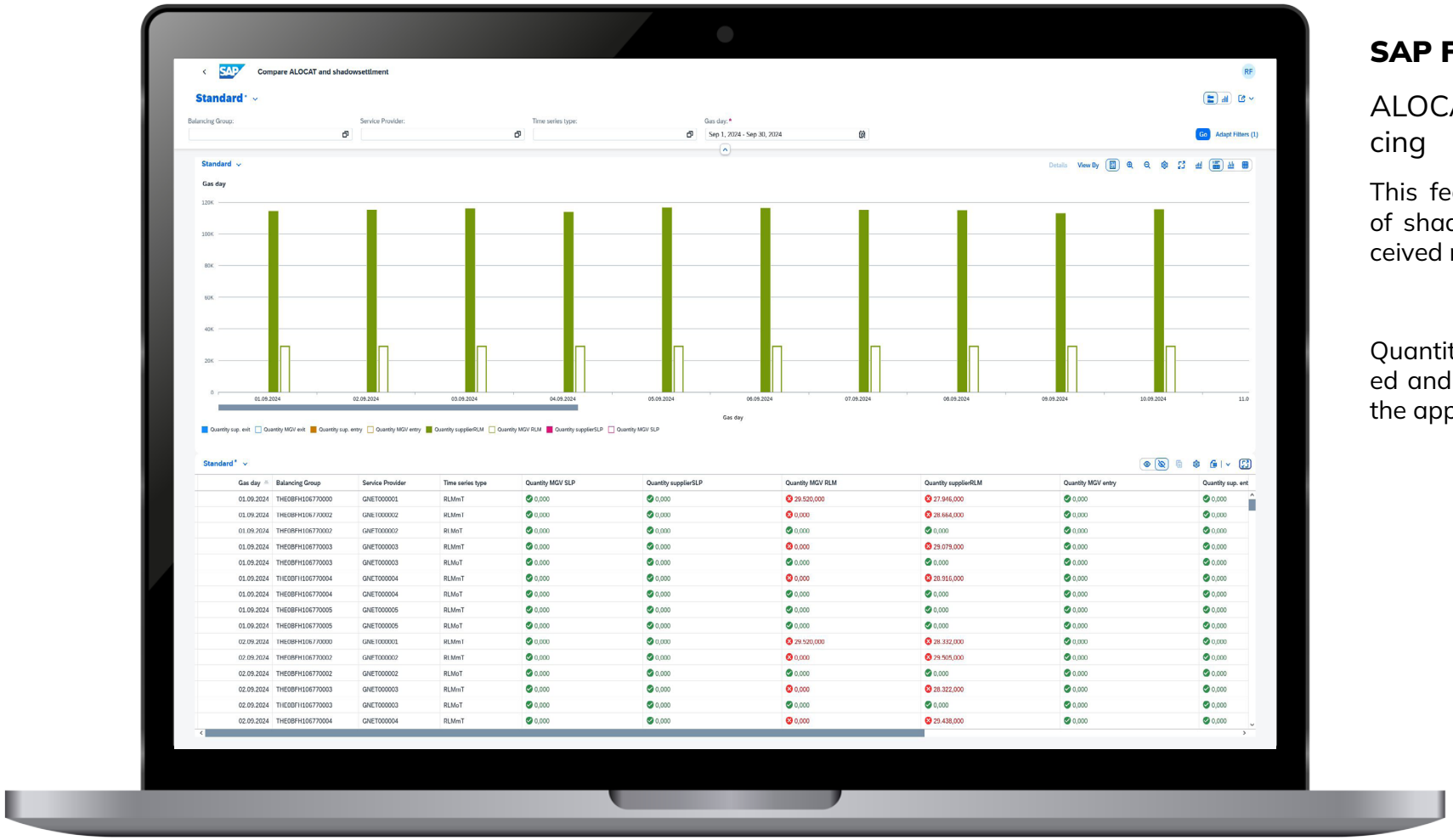


SAP Fiori-Applikationen

Data Exchange Monitor

The SAP Fiori application “Data Exchange Monitor” is used to display received messages from the MaCo Cloud.

The status of each message is clearly visualized, and the message contents are structured and presented in a well-organized format.



SAP Fiori-Applikationen

ALOCAT vs. Shadow Balancing

This feature compares the results of shadow balancing with the received reports from the MGV.

Quantity differences are highlighted and visually represented within the application.

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