

EFFICIENT ENERGY DATA MANAGEMENT ON AN HOURLY BASIS

gas-x¹®



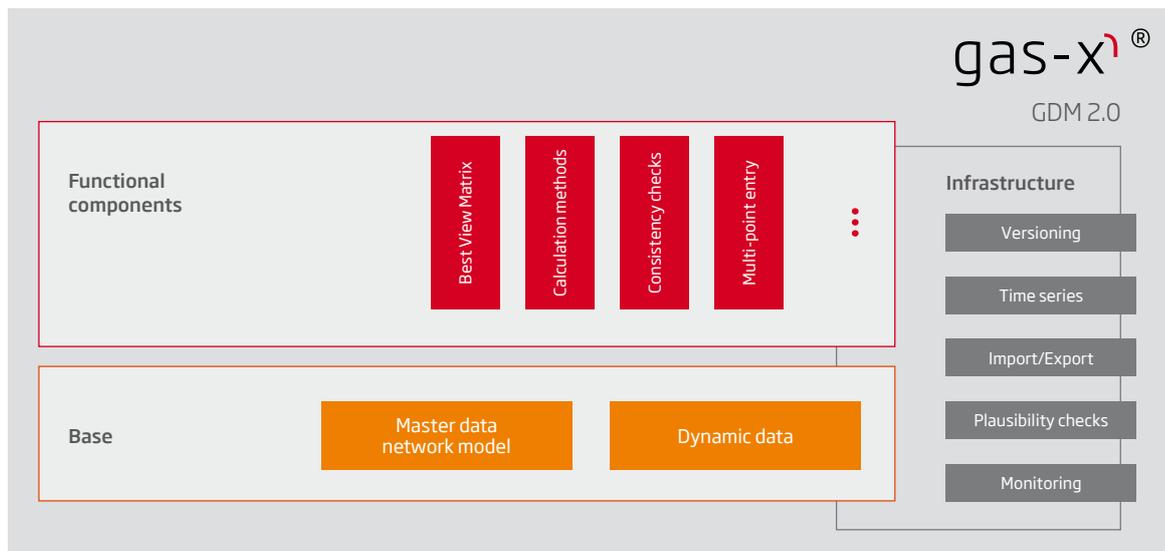
Since October 2013, **new regulations require system operators in Germany** to submit hourly time series of end-user RDM exit points at short notice upon request. The determination of energy quantities in hourly intervals is also expected to **gain importance in the European context**. Achieving compliance with new legal and technical regulations constitutes an **additional challenging task**.

Modern gas data management requires systems that satisfy the **unique demands of a dynamic gas market**. Such systems must offer high performance, availability and a **great level of automation**, making **manual intervention unnecessary** for standard tasks - while at the same time supporting increasingly short processes up to an hourly basis.

With GAS-X GDM 2.0, Sopra Steria Consulting offers an upgraded gas data management system. It allows for event-triggered technical quantity determination in an hourly cycle. As such, it meets the latest requirements set in the German KoV VI cooperation agreement.

GAS-X GDM 2.0 with Best View - Energy Data at a Glance

GAS-X GDM 2.0 draws on our experiences with its proven predecessor and comprehensively covers every requirement regarding technical quantity determination of the German gas market, including thermal gas billing, hourly processes and other legal and technical regulations. It provides all known metering structures and algorithms needed for determining the volume under standard conditions and the energy at a metering point.



GAS-X GDM 2.0 allows for the event-triggered determination of energy quantities in an hourly process and for flexible and automated processing of the resulting data. The all new Best View component of GAS-X GDM 2.0 continuously provides the best possible values for a quantity's current quality category by analysing multiple data sources. As soon as the latest or more reliable data is received, the downstream processes are updated automatically. This ensures the best possible values not only for source quantities but for calculated values of target quantities as well. You can actively control the corresponding processes by setting flexible rules and checks.

The central objects of GAS-X GDM 2.0 are metering points, which can be set in relation to one another in various ways. This allows for a flexible configuration, e. g., of data aggregation, data comparison and references for substitute value generation. Tools are provided for comprehensive monitoring of energy determination processes, e.g. via a status and progress monitor for quantity determination or plausibility checks and anomaly detection.

The benefits of GAS-X GDM 2.0:

- Event-triggered and metering-point-oriented determination of technical quantities in an hourly cycle
- Flexible configuration of relations between metering points, both real and virtual
- Data synchronisation of network interconnection points in accordance with G 686 requirements
- Automatic substitute value generation and audit-proof documentation in accordance with G 685 requirements
- Additional automatic substitute value procedures that can be used in the intra-monthly balancing process
- Assistant for manual substitute value generation, including audit-proof documentation in accordance with G 685 regulations
- Calculation of mixed calorific values as well as tolerance checks and documentation in accordance with G 685 regulations
- Implementation of the requirements defined in the second supplementary sheet of G 685, including consistency checks, additional decimal places and adjusted inheritance rules of substitute value statuses
- Gas law deviation coefficient correction in accordance with G 684 regulations, including deviation check
- Configuration of multiple data sources per quantity to use as a basis for the Best View procedure
- Determination of commodity quantities in accordance with both the classic meter reading method and the method of summing up the time series as described in the second supplementary sheet of G 685
- Integrated component for remote data transmission, including DSfG support
- Support of WiM processes when combined with the WiM solution package of the GAS-X APM module
- State-of-the-art SOA architecture, workflow or event-triggered calculation control with support for 24/7 operation
- Support of data alignment at network inter-connection points in accordance with G 686

System operators using GAS-X GDM 2.0 are well-equipped for the challenges of European harmonisation aspects, including increased process frequency and data quality requirements.

Benefit from our experience for your success

As a leader in management and IT consulting, Sopra Steria Consulting provides one-stop concepts, solutions and services for companies on the energy market. GAS-X is the leading IT product for handling the core processes of different market roles in the transport and supply sectors. Rest assured that our teams of experienced consultants will meet your requirements quickly and precisely.

About Sopra Steria (www.soprasteria.com)

Sopra Steria, a European leader in digital transformation, provides with more than 37,000 professionals in over 20 countries one of the most comprehensive portfolios of end to end service offerings in the market: Consulting, Systems Integration, Software Development, Infrastructure Management and Business Process Services. Sopra Steria is trusted by leading private and public organisations to deliver successful transformation programmes that address their most complex and critical business challenges. Combining high quality and performance services, added-value and innovation, Sopra Steria enables its clients to make the best use of information technology.

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