

SDS GEOS

Securities and Derivatives Processing.

GEOS.sds.ct



SDS GEOS

It just works. And always will. Introducing SDS GEOS.

SDS GEOS: The high-performance solution for global securities and derivatives processing.

SDS GEOS enables you to massively simplify the global securities and derivatives business and the automated processing of high volumes of complex transactions.





THE GLOBAL SECURITIES BUSINESS: OPPORTUNITY AND CHALLENGE.

Due to constantly changing market situations, financial institutions are facing ever-greater challenges in terms of service quality and cost efficiency in securities processing. At the same time, speed and adaptability to new legal requirements, product innovations or new business models are required. Different, cross-border sourcing models as well as fluctuating volumes in volatile markets have to be taken into account. The universal requirements of financial institutions for a modern and at the same time long-lasting securities settlement and asset servicing system are clearly defined. They range from the handling of high transaction volumes with corresponding performance and cost-effectiveness through real-time position keeping and processing to outstanding stability and full regulatory compliance

SDS GEOS. THE HIGH-PERFORMANCE SOLUTION FOR GLOBAL SECURITIES AND DERIVATIVES PROCESSING.

With SDS GEOS, we offer financial institutions a high-performance software solution for their global securities and derivatives business. The end-to-end automation in SDS GEOS covers all customer- and market-oriented processes. This solution simplifies the processing of complex high-volume transactions, avoids redundancies and automates routine procedures. SDS GEOS integrates various distribution channels and order generation systems and handles the routing and settlement of securities orders for financial institutions. Portfolio management systems, advisory desks as well as internet portals can be connected via modern web services. These APIs also serve as a communication layer for FinTech integration. The SDS GEOS service level, in particular the scope of customer notifications, allows a wide range of services to be offered and meets the expectations of even the most demanding custody customers.

THE APPLICATION

SDS GEOS ORDER MANAGEMENT AND SETTLEMENT

EFFICIENT Order Management for securities and standardised derivatives due to integrated business processes on a single platform.

SDS GEOS Order Management covers the entire life cycle of securities transactions, from order acceptance and transfer, post-trade and settlement through to claims processing in a fully automated process, efficiently monitored by integrated exception handling.

SAVINGS plans and pension provision products are also covered, as well as subscription, buy from offer and specific order types for collective investment vehicles.

SDS GEOS is **T2S** compliant for direct and indirect participants.

SDS GEOS CORPORATE ACTIONS

STP (Straight Through Processing) constitutes the design principle of SDS GEOS Corporate Actions - from the reconciliation of event data with custodian advices, the determination of entitlements and customer notification to carrying out corporate actions. Separate processing is possible for special customers or particular events.

ADDITIONAL economies of scale can be achieved with the processing for several asset servicing institutions via a central service provider.

SDS GEOS FINANCIAL INSTRUMENTS

SDS GEOS Financial Instruments provides the applications with comprehensive information on financial instruments and their markets and prices, corporate event master data, regulatory reporting and tax data. A wide range of classic and innovative financial products can be represented.

DATA collection is carried out via data feeds such as **WMM** and **SIX** in a highly automated way.

SDS GEOS POSITION KEEPING

THE cornerstone of SDS GEOS Position Keeping is a high-performance posting system, which records all transaction-relevant data in real-time on a 24/7 basis and provides positions as of any desired target date, according to various target date types like trade date accounting and actual or contractual settlement date accounting, including valuation of holdings.

SDS GEOS PRICING

SDS GEOS offers highest flexibility and shortest time to market for designing and adapting condition models.

THE central module allows for freely definable accounting calculation variants and flexible prices and formulation of terms based on master settings. The bank's product managers define customised terms in decision trees with any level of detail for all areas.

SDS GEOS REPORTING SERVICES

LOCAL tax and regulatory reporting components allow for client institutions from different countries to extract the data needed for legal reporting, process the data in line with reporting requirements and output the resulting values in interface tables.

SDS GEOS REPO / LENDING

WITH the integration of the repo/lending functionality into **SDS GEOS**, the complexity of this business has been reduced drastically for our clients. Securities holdings and repo/lending transactions are available at a glance and can be settled jointly with the securities trading transaction in one single system. This reduces the effort required for reconciliation and minimises operational risk. Repo and securities lending positions are displayed separately in the securities account statements. Compensation payments for cash income are automatically determined and posted within the event processing.

BUSINESS INFORMATION STORE

SDS SBIS for SDS GEOS provides the operational data from SDS GEOS for analytical purposes. The data can be used for management information, SLA monitoring, process optimisation, client reporting and other purposes. Apart from SDS GEOS data the modern architecture of the process data warehouse provides the option to incorporate information from third-party systems as well.

THE data model, optimised for analytics and data mining, can be operated on a mainframe or on alternative platforms (e.g. Linux). The state-of-the-future technology guarantees that performance will not be impaired in operative business.

SWIFT

SDS GEOS supports the relevant ISO 15022 securities messages (MT 5XX family) with more than 60 In-/Out-SWIFT message types and the ISO 20022 standard with more than 30 XML messages.



FUNCTIONAL HIGHLIGHTS

Real-time position management and valuation.

Order management, settlement and asset servicing for securities and derivatives.

Cash leg calculation including prices, fees, conditions and taxes.

Automatic processing of income and corporate actions.

Custody services including proxy voting.

Repo, lending and collateral management.

Management of financial instruments, markets, prices, and corporate event master data.

Compatibility with EU regulations
compatibility: EMIR, MiFID II, CSDR, SFTR, GDPR.

Worldwide and standardised connectivity with excellent SWIFT coverage.

New products, markets and processes by flexible configuration.

Multiple entities in a single instance with strict data segregation.

Mapping of group structures, service centres and outsourcing facilities.

High degree of platform independence - ready for Mainframe and Linux environment.

Business Process Outsourcing (BPO) services for highest transaction volumes.

BUSINESS VALUES

HIGHEST STP RATES BY DESIGN

STP (Straight Through Processing) as a design principle in all areas of securities processing delivers the highest degree of automation – for our clients as well as for their counterparties.

MAXIMISED PROFITABILITY

Consolidated processing and unlimited scalability yield minimised unit (transaction) costs.

MINIMISATION OF OPERATIONAL RISK

Consistently automated and standardised processes combined with a centrally integrated exception handling suite provide full control and transparency (of simply “everything”).

MULTI-CLIENT INSTITUTION CAPABILITY

With central processing for several independent –and international – asset servicing institutions in a single scalable installation for a perfect fit to any target operating model.

ALWAYS UP-TO-DATE,
PERMANENTLY AVAILABLE

Never miss a beat with SDS GEOS real-time processing, available 24/7.

COMPETITIVE
AND FLEXIBLE FOR THE LONG-PLAY

SDS GEOS supports for international requirements and long-term use in multinational banks.



Finding the whole in the detail and vice versa./View from space/Milky way



PROVEN TRACK RECORD

20 years of market success

and still the platform of choice for leading financial institutions in Europe.

Ready for Linux/Oracle

and also operating on Db2 for z/OS.

Market leading technology

with soon over 100 million transactions p. a. in Germany, Austria and Luxembourg.

Renowned European customers

continuous growth through market-proven success.

CUSTOMER EXCERPTS



SDS NOSTRO

Multi-ledger accounting and reporting solution
for principal holdings of securities and derivative
financial instruments.

SDS NOSTRO

Keep your hands off your books. Let SDS NOSTRO do the work for you.

SDS NOSTRO offers an efficient accounting solution for securities and derivative financial instruments for IFRS9 and local GAAP.

SDS NOSTRO is a multi-ledger accounting and reporting solution for principal holdings of securities and derivative financial instruments. The requirements of accounting, balancing, controlling as well as supervisory and internal reporting are completely covered by SDS NOSTRO. SDS NOSTRO takes into consideration statutory accounting requirements and rules of several national and international legislations and particularly complies with the IASB (International Accounting Standards Board) provisions according to IFRS 9. With its flexible parameterisation and numerous accounting

methods it is possible to represent country-specific particulars. In addition to general ledger postings, postings of the difference between national and international accounting ledgers can be performed on separate accounts. Furthermore, SDS NOSTRO provides multi-client institution, multi-language and multi-currency capability as well as central servicing. For more transparency the most important functions are disclosed in detail (calculation of the amortisation, SPPI tests, negotiability) and with a consistent data history, the internal and external auditing requirements are met.

FUNCTIONAL HIGHLIGHTS

Primary accounting according to national law.

Parallel accounting in accordance with IFRS.

Third-party accounting for other valuation regulations (for example, comparative balance sheets, etc.)

Flexible parameterisation.

Consistent history of all data.

Multi-client institution and multi-language capability.

Disposal methods: FIFO and moving average method.

Netting of active, passive, long and short positions.

Exception handling to support monitoring and internal individual processes.

BUSINESS VALUES

FULLY AUTOMATED AND COST EFFICIENT

SDS NOSTRO is a cost-efficient and highly automated solution with correspondingly low manual effort for independent balance sheet valuation of securities and derivative financial instruments. Central services allow for quick and accurate reactions.

FULLY COMPLIANT TO ACCOUNTING REGULATIONS

Treasury stock can be presented and booked in three separate financial statements, taking into account the following accounting standards: German Commercial Code (HGB), Austrian Banking Act (BWVG) and Austrian Commercial Code (UGB), International Financial Reporting Standards (IFRS) - IAS 39, IAS 32, IFRS 7 and IFRS 9.

SDS MCOST is a software, which creates transparent disclosure for all product and service costs of investment in accordance with MiFID II Article 24.

SDS MCOST

Let them know, what they're getting into – and out of it.

SDS MCOST

SDS MCOST is designed for financial institutions acting in Europe. By providing information about expected costs, SDS MCOST allows for optimum customer support and builds confidence between investors and financial institutions.

FUNCTIONAL HIGHLIGHTS

Ensuring compliance with Article 24 (Cost Transparency) of the EU's MiFID II Directive.

Determination and disclosure of entry, follow-up and exit costs for all relevant transactions.

Optimal advice for customers on the financial consequences of investment decisions.

Full functional and technical integration into the advice and sales process.

Adaptable to new legal directives as well as to changes in internal fee structures.

BUSINESS VALUES

Swift integration into existing system environments.

Multi-entity, multi-country and multi-language capabilities.

No additional process costs due to full automation.

Substantial enhancement of advisory processes to customers.

Potential competitive advantages thanks to value-adding services.



SDS CCONFORM is the central software solution for automated monitoring of securities compliance according to the current Market Abuse Directive (MAD/MAR).

SDS CCONFORM

Get straight A's on your compliance reports.

SDS CCONFORM

SDS CCONFORM specifically addresses banks and financial institutions acting in Europe. The recognition and documentation of compliance-relevant incidents in SDS CCONFORM offer financial institutions security and extensive precaution against penalties or damage to reputation in the securities business.

FUNCTIONAL HIGHLIGHTS

Coverage of different regulations (MAD, MAR, SCC).

Multi-entity, multi-language and multi-country capabilities.

Automatic and rule-based transaction evaluation.

Predefined pattern rules and easy adaptation to individual requirements.

Integrated Exception Handling.

BUSINESS VALUES

Full compliance with the Market Abuse Regulation and Directive of the European Union.

Combating insider dealing and market manipulation in European financial markets.

Minimisation of financial risks and damage to reputation.

Convenience and reliability for securities compliance officer tasks.

SDS SBIS for SDS GEOS

The perfect Business Information Store
regarding analysis and reporting.

SDS SBIS for SDS GEOS Goes way beyond your daily re- porting.

SDS SBIS for SDS GEOS provides the perfect basis for audits, reconciliation, business intelligence, management reports etc. regarding analysis and reporting.

BUSINESS INFORMATION STORE

The Automatic Exchange of Information requires the import and processing of a tremendous amount of data. Depending on the size and customer characteristics of a bank, the number of reporting-relevant accounts and transactions can easily be several million. This number can even be higher for international banking groups. Performance-optimised processing is therefore an absolute necessity. On the other hand, financial institutions are facing the requirement to control and analyse these data volumes quickly and efficiently and to make data available for other use cases, like audits, reconciliation, business intelligence or management reports.

SDS SBIS for SDS GEOS: THE PERFECT ENHANCEMENT

In order to meet the various requirements in an ideal way, it is common practice to separate data processing (Online Transaction Processing OLTP) from data analysis (Online Analytical Processing OLAP). This separation ensures that analyses and queries can be carried out in a performant way, without affecting data processing in the production system.

Many financial institutions are forced to consolidate data from various source systems in a single solution for the first time ever. This includes data from securities and derivatives processing as well as data from CRM and payment systems. Therefore, this is a unique opportunity to get an easy overall view on this data and exploit it for analysis, e.g. for compliance reasons.

FUNCTIONAL HIGHLIGHTS

Assists with audits, reconciliation, controlling, business intelligence, management reports, etc.

Provides operational data from SDS GEOS and third-party systems for analytical purposes.

Allows user-defined queries for this data.

Allows standard and ad-hoc queries.

Can be populated via near-time or batch provisioning.

Contains almost 5,000 attributes in 100 database tables.

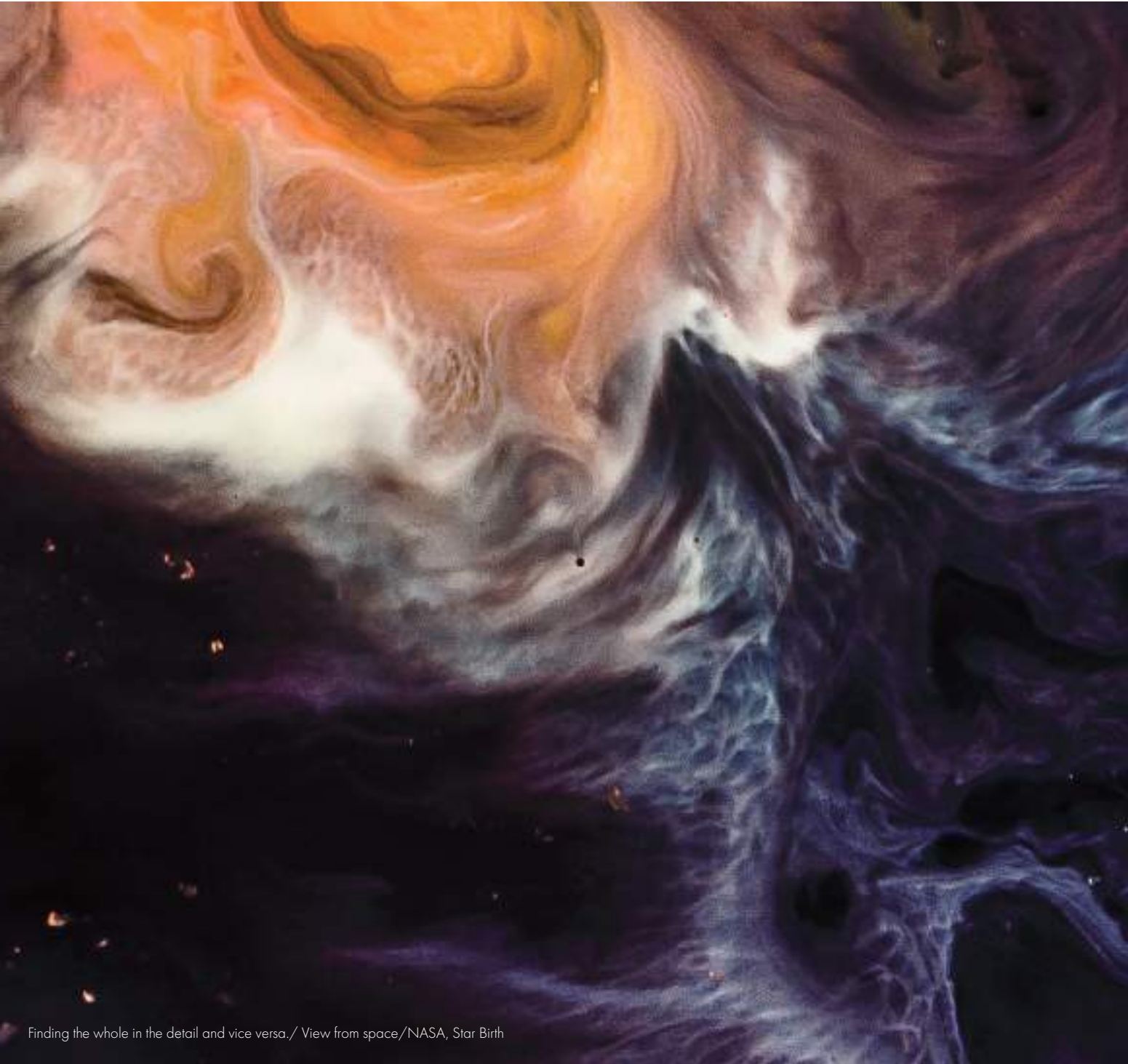
BUSINESS VALUES

ADDING BUSINESS INTELLIGENCE VALUE

SDS SBIS provides the operational data from SDS GEOS for analytical purposes. The data can be used for management information, SLA monitoring, process optimisation, client reporting and other purposes. Apart from SDS GEOS data, the modern architecture of the process data warehouse provides the option to incorporate information from third-party systems as well.

CONVENIENT OPERATION

The data model, optimised for analytics and data mining, can be operated on a mainframe or on alternative platforms (e.g. Linux). The state-of-the-future technology guarantees that performance will not be impaired in operative business.



Finding the whole in the detail and vice versa./ View from space/NASA, Star Birth



Working with SDS

SDS is continuously setting digital standards in financial market operations, regulations and compliance solutions for the international financial industry. The comprehensive SDS portfolio covers state of the future products and services for all customer and market-related processes, ranging from global securities and derivate processing, regulatory, tax and compliance automation, solution-based consulting and professional testing services to managed services.

More than 3,000 financial institutions worldwide with over 10,000 users in about 80+ countries trust in SDS and its sustainable business values. With our proven industry-proven experience of over 4 decades, we have become a highly trusted and equally reliable partner of renowned financial institutions all over the world. SDS is Member of Deutsche Telekom, one of the world's leading providers of information and communications technology. www.sds.at

SDS

Software Daten Service Gesellschaft m.b.H.

T-Center, Rennweg 97-99

1030 Vienna, Austria

E-Mail: marketing@sds.at

www.sds.at

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