Efficiency Customer Use Case

A major tier-1 bank reported the following efficiency gains after using Autonomy’s Scrittura Commodities for 3 months:

- 99.19% of trades are dispatched on T+1 using Scrittura Commodities
- eConfirm enabled trades
  - 90% of trades are counterparty confirmed by T+1
  - 99.4% of trades are counterparty confirmed by T+5
- Paper trades (non-vanilla and non-eConfirm counterparties)
  - 75% of trades are counterparty confirmed by T+5
  - 91% of trades are counterparty confirmed by T+10
- Structured trades
  - 55% of trades are counterparty confirmed by T+5
  - 75% of trades are counterparty confirmed by T+10
- 85% of brokered trades are matched with the broker on T+0

Scrittura for Commodities

Scrittura for Commodities, a key part of the Autonomy Global Capital Markets Solution, brings full automation and control through a single, specialized application for all post trade operations of all classes of commodity trades. Tight integration with trading systems (e.g. OpenLink), as well as ICE (InterContinentalExchange®) eConfirm, the industry’s preferred matching and confirmation utility, ensures seamless, automated processing of commodity derivatives documentation.

Autonomy’s Intelligent Data Operating Layer (IDOL) is a sophisticated mathematical and statistical approach to information that alters the way computers relate to electronic information, creating a new paradigm of information technology and solutions.

Autonomy’s platform approach to Global Capital Market solutions presents a dramatic shift from the legacy approaches currently offered by other vendors in the capital markets space.

Puts Business Users in Control

The latest version of Autonomy Document Generator and Template Manager provides rapid, flexible and reliable template creation by utilizing the significantly updated MS Word 2007 environment to streamline the generation of documentation. Autonomy Document Generator and Template Manager enables business users to create and manage specialized document templates in an off-the-shelf word processing environment, while maintaining complete control, audit trail visibility and re-use features. Template creation and changes can be effected and rapidly applied into production without reliance on the IT department or expensive technical resources. These templates can be used alongside existing templates in other formats, allowing this solution to be adopted without disruptive changes to existing documentation.

Autonomy Scrittura for Commodities

Autonomy’s Scrittura for Commodities solution, built on Autonomy IDOL, automates the back-office trade confirmation processing of commodity derivatives, with a specific focus on the energy markets (oil, natural gas and power) but also metals, weather and freight.

Scrittura for Commodities, a key part of the Autonomy Global Capital Markets Solution, brings full automation and control through a single, specialized application for all post trade operations of all classes of commodity trades. Tight integration with trading systems (e.g. OpenLink), as well as ICE (InterContinentalExchange®) eConfirm, the industry’s preferred matching and confirmation utility, ensures seamless, automated processing of commodity derivatives documentation.

Autonomy’s Intelligent Data Operating Layer (IDOL) is a sophisticated mathematical and statistical approach to information that alters the way computers relate to electronic information, creating a new paradigm of information technology and solutions.

Transparent to the end-user and a seamless part of the end-to-end platform, all Autonomy Global Capital Markets and Information Management solutions are built on IDOL. This unique technology enables Autonomy to deliver a full spectrum of advanced analytics and operations to more effectively process and review commodity trades, as well as automatically match incoming counterparty documents to outgoing trades, greatly enhancing the speed, defensibility, repeatability, and audit-ability while also decreasing costs.

The IDOL integration with Scrittura enables businesses to automatically gain a conceptual understanding of all data related to trade processing activity. As a result, capital markets institutions will benefit from unsurpassed levels of efficiency and transparency, allowing them to meet the increasingly rigorous compliance requirements in the derivatives industry.

Autonomy’s platform approach to Global Capital Market solutions presents a dramatic shift from the legacy approaches currently offered by other vendors in the capital markets space.
Ease-of-use Redefined

With Autonomy’s Scrittura Commodities, financial institutions can bring immediate efficiency to their commodities middle- and back-office operations through:

- **Ease-of-use** - Business users can rely on the familiarity of Microsoft Word to create and edit confirmation documents for any trade type. Configurable templates are available to generate customer-specific documents like complex invoices or custom chaser letters.

- **Flexibility** - The Scrittura workflow engine allows non-technical users to define business logic without compromising its flexibility to support powerful rules and expressions for handling trade or time-based events. Authorized users can modify the business logic in a production system, establishing their own criteria for STP routing.

- **Accountability** - Business-level exceptions can be specified in the workflow, for example, to flag trades with missing data, providing instant visibility into trade processing discrepancies.

Simplifies Document Matching & Processing

Autonomy’s Scrittura Commodities reduces the effort required to match incoming documents to trades and ensures those matches are accurate via a matching validation process. Several features allow users to perform all aspects of the matching process directly within the application:

- **Barcodes** with trade and document identifiers are attached to all confirmations in order to automatically match incoming documents against existing trades.
- A powerful search engine can precision query on both fields and full text via IDOL’s conceptual search and also provide automatic matching of incoming confirmation documents to trade data.
- Trade confirmations can be annotated for disputes in a fully audited fashion.
- Electronic signatures enable authorized users to stamp confirmed trades with the appropriate signature, removing paper signatures and signature bottlenecks.
- A multitude of pre-configured monitoring reports enhance audit control and management oversight.

Autonomy’s Scrittura Commodities reduces the effort required to match incoming documents to trades and ensures those matches are accurate via a matching validation process. Several features allow users to perform all aspects of the matching process directly within the application.

Speeds up Confirmation Times

When processing a trade in Autonomy’s Scrittura Commodities, one or more purpose-built workflows can be deployed and tracked in parallel to maximize efficiency and ensure immediate notification of any discrepancies.

Ensures Seamless Integration of All Workflows

Autonomy’s Scrittura Commodities provides instant connectivity to ICE eConfirm, SWIFT and EFETNet with key functionality including:

- **Workflow that mirrors the ICE eConfirm process**, automating trade submission and allowing users to send messages to ICE for cancellation and disputes.
- **Automated data mapping** that converts terms from traders’ systems to ICE XML message fields for all supported eConfirm product types.
- **Trade status reporting** and updating in real-time (e.g. running a query against ICE of all alleged trades).
- **Guaranteed ongoing live support** for any new ICE eConfirm specification update via Autonomy’s EnConnect connectivity solution.

<table>
<thead>
<tr>
<th>Out-of-the-box supported workflows:</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Auto or manual drafting of the outgoing confirmation</td>
</tr>
<tr>
<td>2. Transmission and handling of the trade detail to ICE eConfirm</td>
</tr>
<tr>
<td>3. Verbal affirmation process</td>
</tr>
<tr>
<td>4. Broker confirmation process enhanced with document matching functionality</td>
</tr>
<tr>
<td>5. Incoming counterparty confirmation process with document matching functionality</td>
</tr>
</tbody>
</table>

As a result, trades can be automatically routed between electronic and paper workflows based on counterparty and/or product group criteria. By interfacing with ICE, Autonomy significantly enhances trade data integrity, bringing certainty to the confirmation process.
Highlights

- **IDOL brings key conceptual advances to commodities management with its ability to understand the meaning of information**
- **Provides hands-on control of the confirmation process from vanilla trades to exotic structured products**
- **Limits reliance on IT**
- **Constitutes an integrated solution for all commodity classes and all confirmation methods**
- **Minimizes the potential of errors**
- **Ensures processing efficiency**

About Autonomy

Autonomy Corporation plc (LSE: AU, or AU.L), a global leader in infrastructure software for the enterprise, spearheads the Meaning Based Computing movement. IDC recently recognized Autonomy as having the largest market share and fastest growth in the worldwide search and discovery market. Autonomy’s technology allows computers to harness the full richness of human information, forming a conceptual and contextual understanding of any piece of electronic data, including unstructured information, such as text, email, web pages, voice, or video. Autonomy’s software powers the full spectrum of mission-critical enterprise applications including pan-enterprise search, customer interaction solutions, information governance, end-to-end eDiscovery, records management, archiving, business process management, web content management, web optimization, rich media management and video and audio analysis.

Autonomy’s customer base is comprised of more than 20,000 global companies, law firms and federal agencies including: AOL, BAE Systems, BBC, Bloomberg, Boeing, Citigroup, Coca Cola, Daimler AG, Deutsche Bank, DLA Piper, Ericsson, FedEx, Ford, GlaxoSmithKline, Lloyds TSB, NASA, Nestlé, the New York Stock Exchange, Reuters, Shell, Tesco, T-Mobile, the U.S. Department of Energy, the U.S. Department of Homeland Security and the U.S. Securities and Exchange Commission. More than 400 companies OEM Autonomy technology, including Symantec, Citrix, HP, Novell, Oracle, Sybase and TIBCO. The company has offices worldwide.

Autonomy and the Autonomy logo are registered trademarks or trademarks of Autonomy Corporation plc. All other trademarks are the property of their respective owners.

Please visit [www.autonomy.com](http://www.autonomy.com) to find out more.