

**FFASTFILL SEALS**  
THE GLOBAL REVOLUTION IN CLEARING TECHNOLOGY

The screenshot displays a software interface with a top navigation bar containing 'Home', 'Edit', 'Search', 'Refresh', 'Automatic', 'Match', 'Unmatch', 'Assign Client', 'Allow Match', 'Create', 'Modify', 'Delete', 'Assign Client', 'Allocate', and 'GiveUp'. Below this are tabs for 'All', 'CME Clearing', 'EUREX', 'Life', and 'C21'. The main content area is divided into several data panels:

- Filter Summary (14/09/2011, 15/09/2011):**

Orders	Lines	Volume
T	1159527	7563477
C	1074607	6491323
U	84828	1057489
E	92	14665
P	2798	22564
- C21 - 14/09/2011:**

Trades	Lines	Volume
T	85566	592572
C	85194	565704
U	369	26865
E	3	3
P	0	0
- EUREX - 14/09/2011:**

Trades	Lines	Volume
T	69703	2359372
C	68004	2110566
U	1699	248806
E	0	0
P	0	0
- ICE - 14/09/2011:**

Trades	Lines	Volume
T	165211	641440
C	157682	601224
U	7529	40216
E	0	0
P	2294	15460

At the bottom, a legend identifies the order status icons: C Cleared, U Unallocated, E Errors, P Pending, M Matched, N Unmatched, O No Client.

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## FFASTFILL SEALS THE GLOBAL REVOLUTION IN CLEARING

FFastFill SEALS is a comprehensive real-time middle office allocation tool delivered as a high performance, high availability and scalable SaaS solution integrated with clearing risk management. SEALS is the only truly global automated allocation and order matching solution.

SEALS is a single global system that delivers automation to firms for their global clients across all global exchanges. SEALS is the leader in middle office processing. Firms can achieve an unparalleled high level of automation in the allocation process. This high level of automation is delivered through the parallel processing and flexibility provided in the functions of trade order matching, trade mapping, loading of allocation instructions, loading of client instructions files or other format and integration with third party systems.

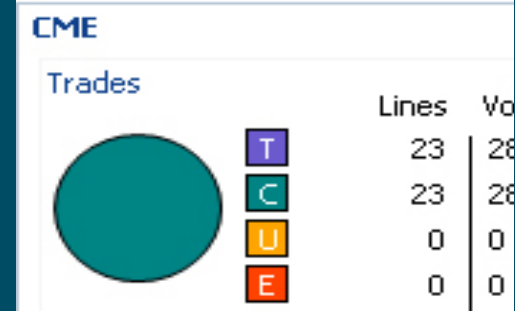
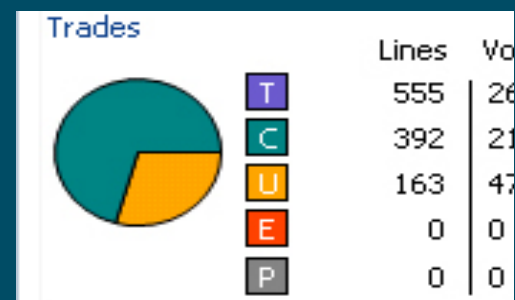
Management can monitor the global allocation processing efficiency from any location through the SEALS

Dashboard which provides a real-time status of actioned and actionable events.

Unique to SEALS, granular global permissioning allows Clearing Members to offer full clearing access to their Traders and Non-Clearing Members. Clearing Members' clients can be permissioned to monitor and manage their own set of trades within a client designated work group. The Clearing Member administrator has full control over all user functions including access to clients, exchanges and rules.

- ▶ Single global system
- ▶ Multi asset class, global exchange connectivity
- ▶ NCM Virtual Exchange
- ▶ Granular user permissions
  - Functionality distributed to firms end clients
- ▶ Dashboard views
  - Counters
  - Workflow and management by exception process
- ▶ Allocations
  - Manual allocation
  - Automated allocation of own trades, give-ins and give-outs
  - Re-assignment
  - Global client allocation management
  - Monitoring of allocation efficiency
- ▶ Automation processed in the background
- ▶ Business states updated and monitored
- ▶ Clearing FIX API
- ▶ Split Management
- ▶ Rules
  - Rules priority
  - Rules applied at global exchange or product level
- ▶ Accept, Revoke, Reject
- ▶ Average pricing
- ▶ Actions on a single or group of trades or allocations
- ▶ Data import and export services
  - Clearing FIX API
  - CSV exports
- ▶ Task scheduling
- ▶ Archiving to historical database
- ▶ Audit features
- ▶ Extensive search capability
- ▶ SaaS service delivery provides:
  - Reduced cost of ownership
  - Reduced time to start-up
  - Scalability
  - High performance
  - High availability
- ▶ Bespoke reporting tools
- ▶ Clearing risk service
- ▶ On-going investment
  - Multi-lingual support
  - Blocking blind give-ins

## CONTINUING TO INVEST IN CLEARING TECHNOLOGY



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