

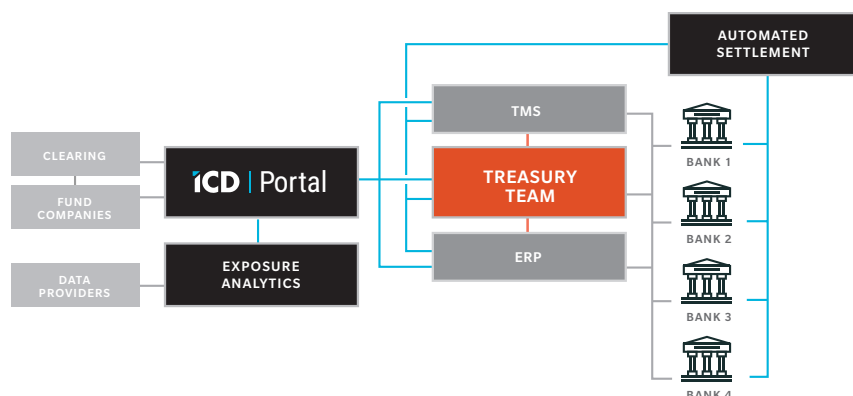
# Integrated Treasury Solutions

## PRODUCT SHEET

### MAXIMIZING TREASURY'S TECHNOLOGY STACK

Technology integrations are helping treasury departments become more efficient while increasing transparency and reducing errors. The open architecture of ICD Portal, a platform for independent trading, reporting and analysis of investments, makes it easy to integrate with other technologies in treasury's tech stack to create an end-to-end workflow for managing cash and investments.

### INTEGRATED TREASURY WORKFLOW



#### Integration Value

- Streamlines the process
- Improves efficiency
- Enhances reporting
- Reduces human error

ICD's dedicated and experienced integration team understands the treasury function and its technology requirements. The team is available for custom as well as standard integrations. ICD's network of technology partners includes providers of treasury management systems, banking services, ERPs, data, and reporting and analytics solutions.

## ICD Portal

API
FTP
EMAIL
SWIFT
WEBSERVICE

## INTEGRATED TECHNOLOGIES SELECTION

360T	Finastra	Hazeltree	Logotech Systems	Orbit	SS&C
Aladdin	FIS	ION	Misys	Reval	Trovata
Clearwater	Gemalto	IT2	Okta	Salmon Software	Wall Street Systems
Coupa	GTreasury	Kyriba	Oracle	SAP	Workday

In addition to custom client integrations, ICD Portal offers over 75 standard integrations across the following event types:

#### DAILY RATES

Domestic  
International

#### INTRADAY

Ticket Approved  
Order Approved  
Transaction Priced

#### END OF DAY

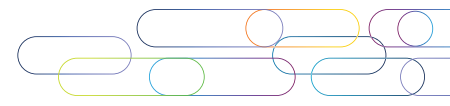
Trasaction Summary  
Position & Balance  
Position & Dividend

#### CASH STATEMENTS

BA12  
MT940

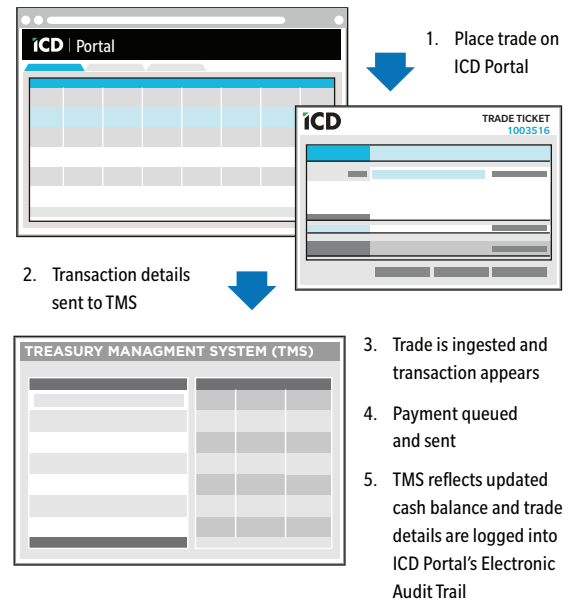
#### DIVIDENDS

Dividend Reinvestment  
Cash Dividends



# ICD Portal: TMS Workflow Post Integration

- 1 On ICD Portal, make your investment selection and place the trade.
- 2 Once the trade is accepted, the transaction details are automatically sent to the TMS. For VNAV funds, as the price is not known at the time of acceptance, a placeholder price is used until the pricing details can be ingested. This allows settlement to flow in advance of pricing to avoid the timing of the fund pricing action from impacting successful settlement. Subsequent transaction pricing data updates the transaction automatically in the TMS once the price has been recorded.
- 3 If the TMS is set up for payment, then the payment is automatically queued within the existing payments workflow.
- 4 If the TMS is set up with payment, when the trade is successfully ingested, the payment is automatically queued within the existing payments workflow.
- 5 Once the transaction is completed in the TMS, the resulting change in the cash balance is reflected in the cash position in the TMS and logged into ICD Portal's electronic audit trail.



## ICD INTEGRATION SOLUTIONS

ICD continually maintains and enhances integrations at no added cost to its clients.

Key Integration Challenges	ICD Solutions
TMS integrations are not one size fits all.	ICD Portal was built using an open architecture to easily integrate with other treasury technologies. In addition to the standard integrations already offered, ICD integration team can work with clients and the TMS provider for custom integrations.
System inconsistencies in terminology and business concepts.	ICD's depth of knowledge and experience makes the process simple and understandable for clients of all technological backgrounds.
Data need to be sent and received at the appropriate part of the workflow.	ICD's automated system sends and receives data in a timely manner to fit into the workflow of treasury teams.
Lack of experience with new systems.	ICD's integration specialists walk clients through each step of the integration process.
Integrations can be costly to clients, from paying integration fees to hiring consultants to assist in the process.	There are no integration charges to clients from ICD. Additionally, ICD's experience helps to reduce the time spent on the integration project, saving clients resources.

*"This integrated workflow...is delivering very real benefits for Bandwidth and freeing me up to be more strategic..."*

**SCOTT TAYLOR**  
Bandwidth

**ICD is treasury's trusted provider of investment technology and the corporate client channel of Tradeweb. Please contact your ICD representative or the ICD Global Trade Desk for details.**



A TRADEWEB BUSINESS

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