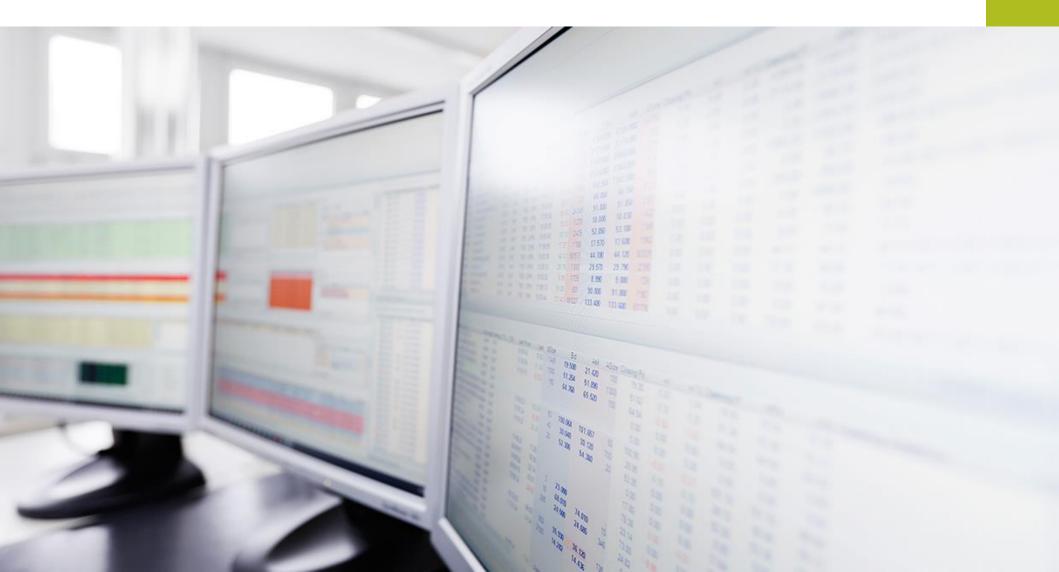


# **Trading is Trading**



## **Trading in the Middle Ages**





Scene at the Zurzach fair. Detail of a wall painting from 1515 in the monastery of St. Georg in Stein am Rhein

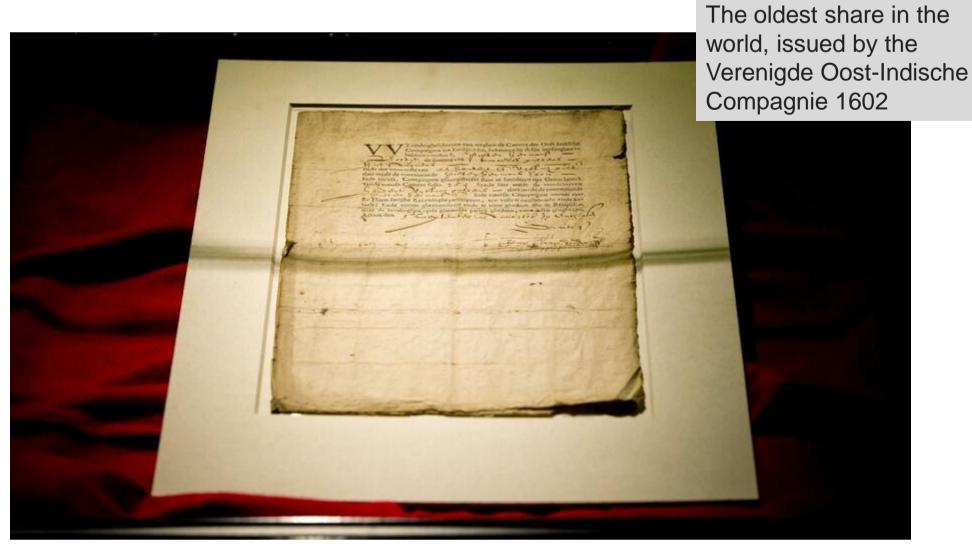


The Schifflände was located directly next to the Grendeltor, then as now. Zurich was an important transhipment point for the transport of goods.

09.06.2022

#### The first shares



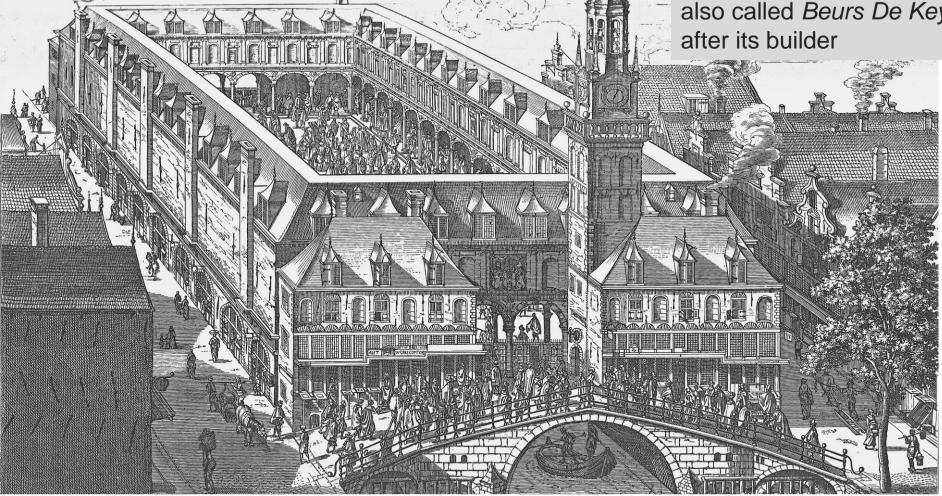


picture alliance/dpa

#### The first exchanges



The first Amsterdam stock exchange building (1608), also called *Beurs De Keyser* after its builder



Old Bourse of Amsterdam - Amsterdamer Börse - Wikipedia

# **Ring trading**





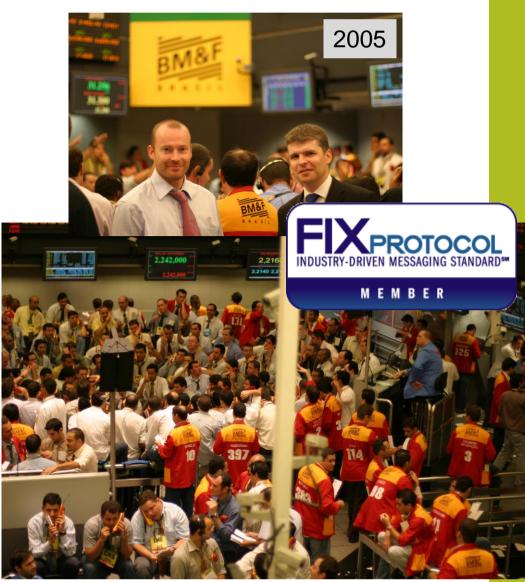


#### **Digital transformation**





Navigation			OrderBook (la	at upda	R)	× - '		( 	$\left \right\rangle$	$\langle$	ļ	20	_	1		
v 🗁 Static Dati											<u> </u>					
	ties (1/358)			lipboard  Semicolon				se Market				pure Columns				
	ty History (0/0 + 777			Security Short Name	Order Book St	Internal Order Book State	Order Book S	itate Start	Order Book State				Curr	Exchang	Internal	
Security Cash Flow Event (17/17)					Trading	Unknown	2014/01/23		2014/01/23 16:3		1.43	5.05		XBRN		
Security Indices (36/36)				Rotim Immobilien AG		Unknown	2013/12/30		2013/12/31 09:0				CHE	XBRN		
Security Index Descriptions (1/1)				Swiss Finance & Prope		Unknown	2012/04/16	16:30:00	2012/04/17 09:0	00:00			CHF	XBRN		
Security Sectors (5/5)			2014/01/23	The Smatch Group AG	Trading	Unknown	2014/01/23	00:00:00	2014/01/23 16:3	00:00	94.00	104.00	CHF	XBRN		
Security Qualification Queries (0/0 + 77			2014/01/23	ACRON HELVETIA I In	Trading	Unknown	2014/01/23	00:00:00	2014/01/23 16:3	0100	4.51	6.67	CHF	XBRN		
Calend	dar (73/73)		2013/12/30	Berner Kantonalbank	Trading	Unknown	2013/12/30	00:00:00	2013/12/30 16:3	0100			CHF	XBRN		
Users (	(809/809 + 777)		2014/01/23	Valiant Holding AG	Trading	Unknown	2014/01/23	00:00:00	2014/01/23 16:3	0100	87.00		CHF	XBRN		
Qualified Investor Pins (0/0 + 777)			2014/01/23	Valora Holding AG	Trading	Unknown	2014/01/23	00:00:00	2014/01/23 16:3	2:00 2	41.00		CHF	XBRN		
			2014/01/23	Dual Real Estate Inve	Trading	Unknown	2014/01/23	00:00:00	2014/01/23 16:3	00100	22.75	23.00	CHF	XBRN		
iter	Apply Filter		2012/04/23	BKW FMB Energie AG	Trading	Unknown	2012/04/20	16:30:00	2012/04/21 09:00	0100			CHF	XBRN		
riterion	Value 30	Active	2014/01/23	ACRON HELVETIA II II	Trading	Unknown	2014/01/23	00:00:00	2014/01/23 16:3	000	65.80	120.00	CHF	XBRN		
	CH0001997763		2012/06/05	Fundamenta Real Est	Trading	Unknown	2012/06/05	00:00:00	2012/06/05 16:3	00:00			CHF	XBRN		
80°			2014/01/23	ACRON HELVETIA III I	Trading	Unknown	2014/01/23	00:00:00	2014/01/23 16:3	00100	£0.03		CHF	XBRN		
exchangeld	XBRN	×	2014/01/23	Novavest Real Estate	Trading	Unknown	2014/01/23	00:00:00	2014/01/23 16:3	0:00	35.60	36.00	CHF	XBRN		
eumency			2011/11/21	CETRON Holding AG in	Trading	Unknown							CHF	XBRN		
		2	4												÷	
		ŕ	9										_			
Alerts 🕑 Shew Pop-Ups 🗹 Play Sound			Details for Order Book X				HIGH HIGH HIGH HIGH HIGH HIGH HIGH HIGH			810)	Detailed Order Book Appregated Order Book					
				Trading Halt Order Book				Reference Price: 3.24 Last Price: 0.00 Spread: 253.15% (last           Buy Side         Volume: 16/858.57					at update @ 2014/01/23 9:21:55)			
				Until further								_				
				For 15	minutes			Number Of		Price	Price	Size		Number Of		
				O Until date th			0	1.0		1.43		5.05	980.00	1.00	10	
				Reason for Action			1	1.0	10'000.00	1.40						
			Update 1	lime	2014-01-23T09	00:04-255+0:00										
Auto Conell				Short Name	Wockhardt BIO	AO										
Auto Scroll				short Name ook State	Wookhardt 810 Trading	AG										





2018

MACD

#### **Our Quality is our People!**



MACD Conference 2018

# Working during Lockdown





## **MACD Customers**





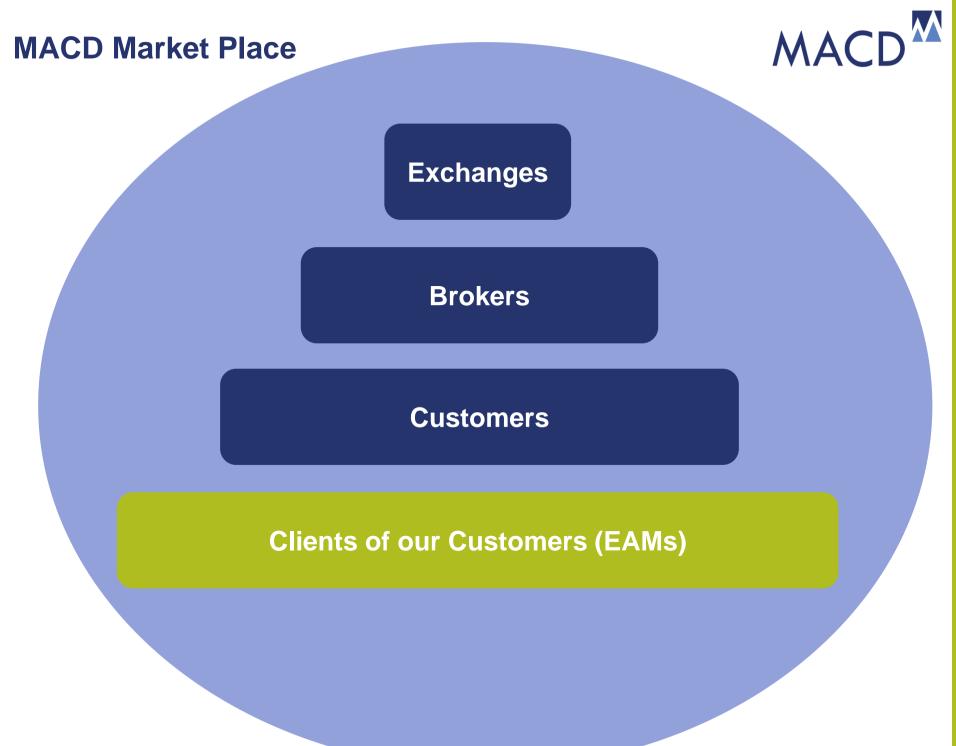
### **MACD** Partners





2022 (Excerpt)





MACD Conference

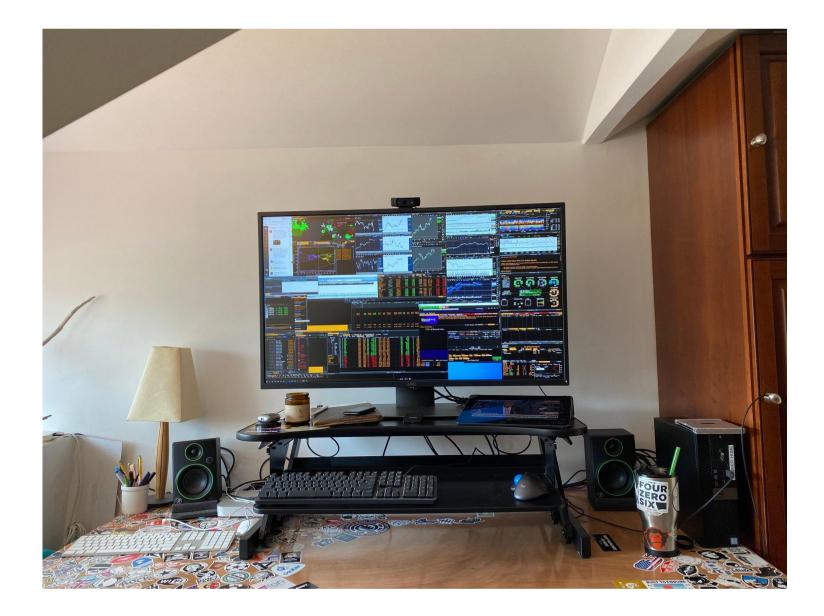
## **Best Execution for External Asset Managers**





### **Trading is Trading**





2022

#### **Our Quality is our People!**



Team Urdorf, Switzerland



#### Team Aachen, Germany



# Challenge us!

## **About MACD**



As specialist for electronic trading, MACD has been successfully developing products and services for financial institutions for more than 20 years.

The company is market leader in trading connectivity in Switzerland. More than 60 banks and exchanges across Europe trust in the comprehensive range of services in software development, project management, consulting, hosting and support.

Around 40 IT engineers, computer scientists and economists are working on innovative solutions at locations in England, Germany and Switzerland.

Since 2004 MACD has been a member of the <u>FIX Trading Community</u>, where George Macdonald, CEO MACD has been involved in various roles, including director.

www.macd.com

Contact: sales@macd.com