

 MultiConnect

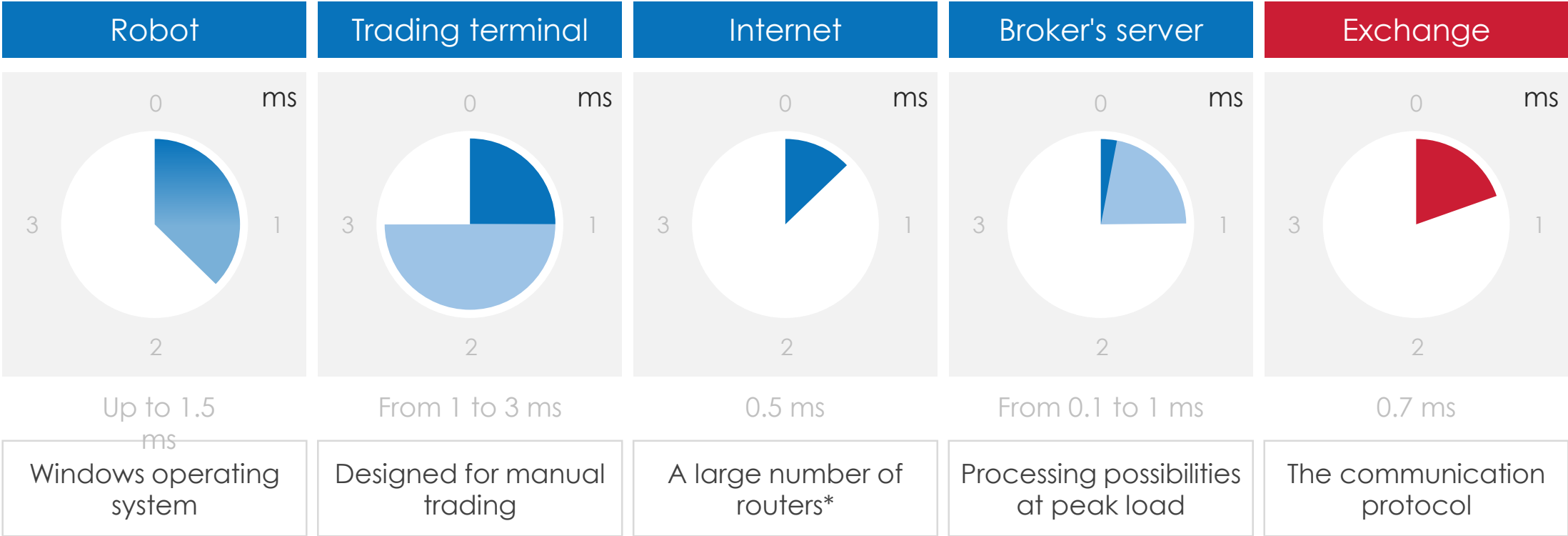
MULTICONNECT FOR HFT

Set up for high
frequency trading in 24
hours

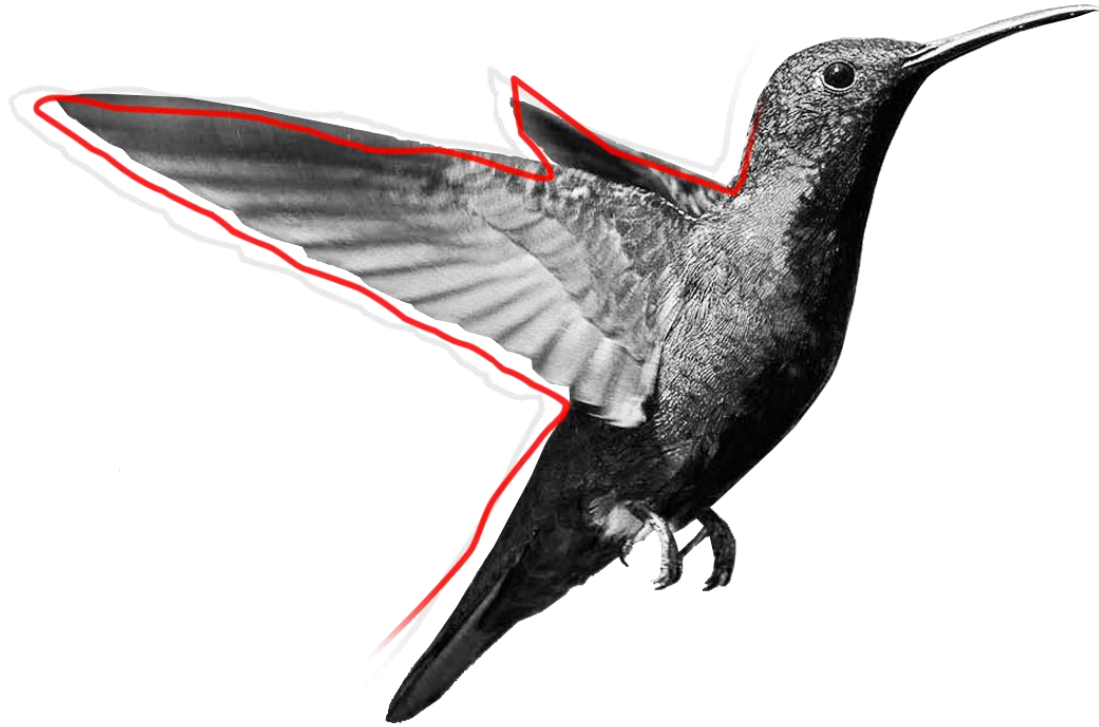


VIKING

The reasons of reducing trading speed



*Max 100mb/s

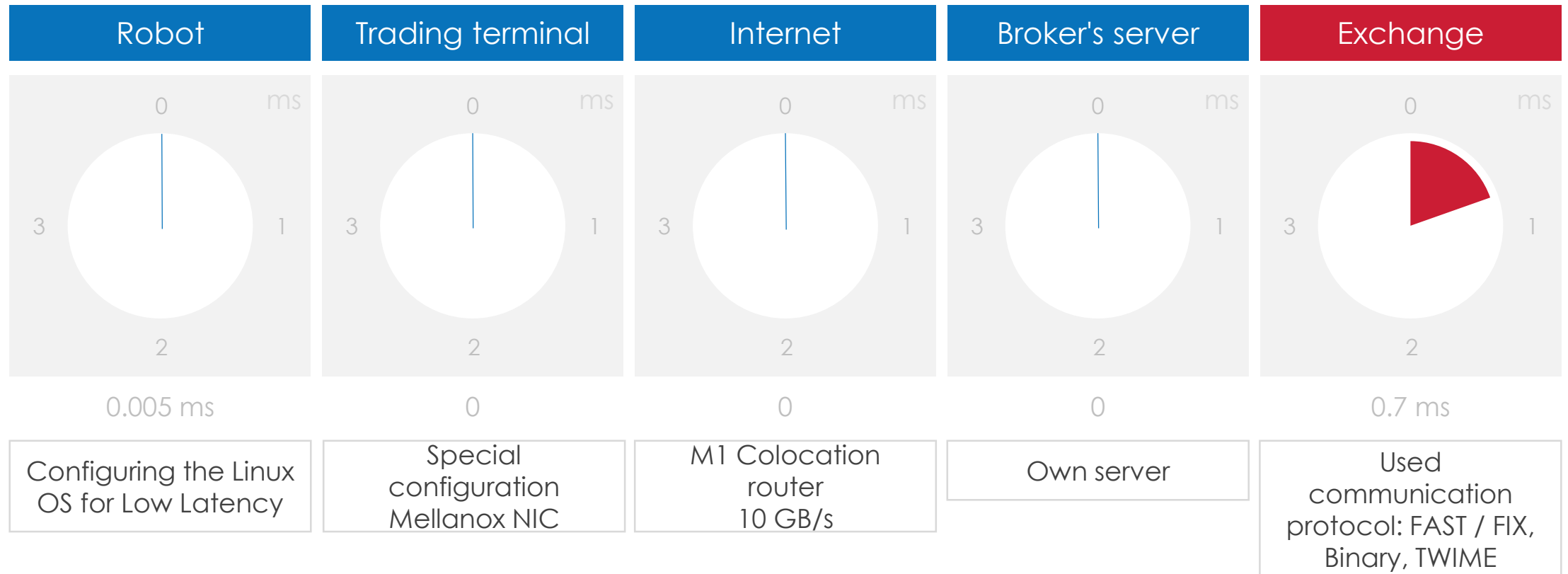


**TOTAL DELAY
FROM 3 ms AND
ABOVE**

WHILE DEVELOPING THE NEW VERSION OF MULTICONNECT-ARBITRAGE-ROBOT WE TAKE INTO CONSIDER:

- 1** **Trade performance:** adding orders, receive a response from the Exchange, data processing by robot
- 2** **Universality and adaptability of the robot:** new markets, financial instruments, different algorithms
- 3** **Development speed** of new strategies and the possibility of significant changes in the source code
- 4** **Integration** with third-party connection libraries
- 5** **Increase software reliability:** the critical part is allocated in separate process

Ways for increasing speed in the new concept of the Robot



SERVER SIDE OF THE ROBOT



Trading algorithm, optimized for the Linux OS



«MultiConnect» Library - connections to the exchanges with single interface for a variety of trading platforms



Different types of connections for receiving Market Data and sending transaction



Orders moving is realized for the connections which have this ability

CLIENT SIDE OF THE ROBOT



The graphical user interface (GUI)



Trading algorithm configuration



Monitoring of trading algorithm progress



Testing of algorithm and selection of parameters based on historical data

ARBITRATION ALGORITHM AND MULTICONNECT LIBRARY

1. Classic arbitration algorithm for implementation of any trading strategy
2. Small risks
3. High profitability

The "Viking" financial company (licensor) provides for rent the servers for trade installed in a zone of collocation of the Moscow exchange on M1

Remote trader 1.3.1 (key is valid 65 day(s) more)

Disable	Name	re_sl	re_lb	Quot	To0	Pos	v_in_le	v_in_ri	v_out_k	v_out_r	Sell	Buy	Lim_Sell	Lim_Buy	Price_s	Price_b	v_min	v_max	Sell sta	Buy sta	To ma	Start neare	Stop neare	Use t	Overlay	Market vo	Price ch	Opened	Fin res	Commission	Sell	Buy clk	Orders II	Return f	Max not	Log level
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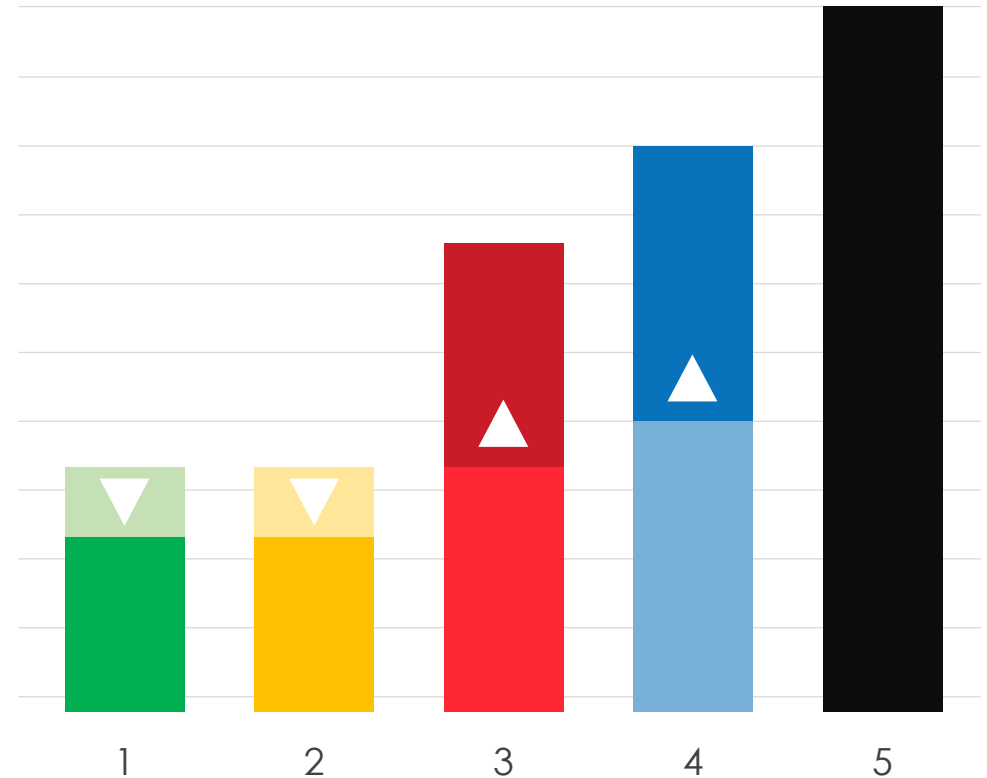
Number of transactions from all transactional connections

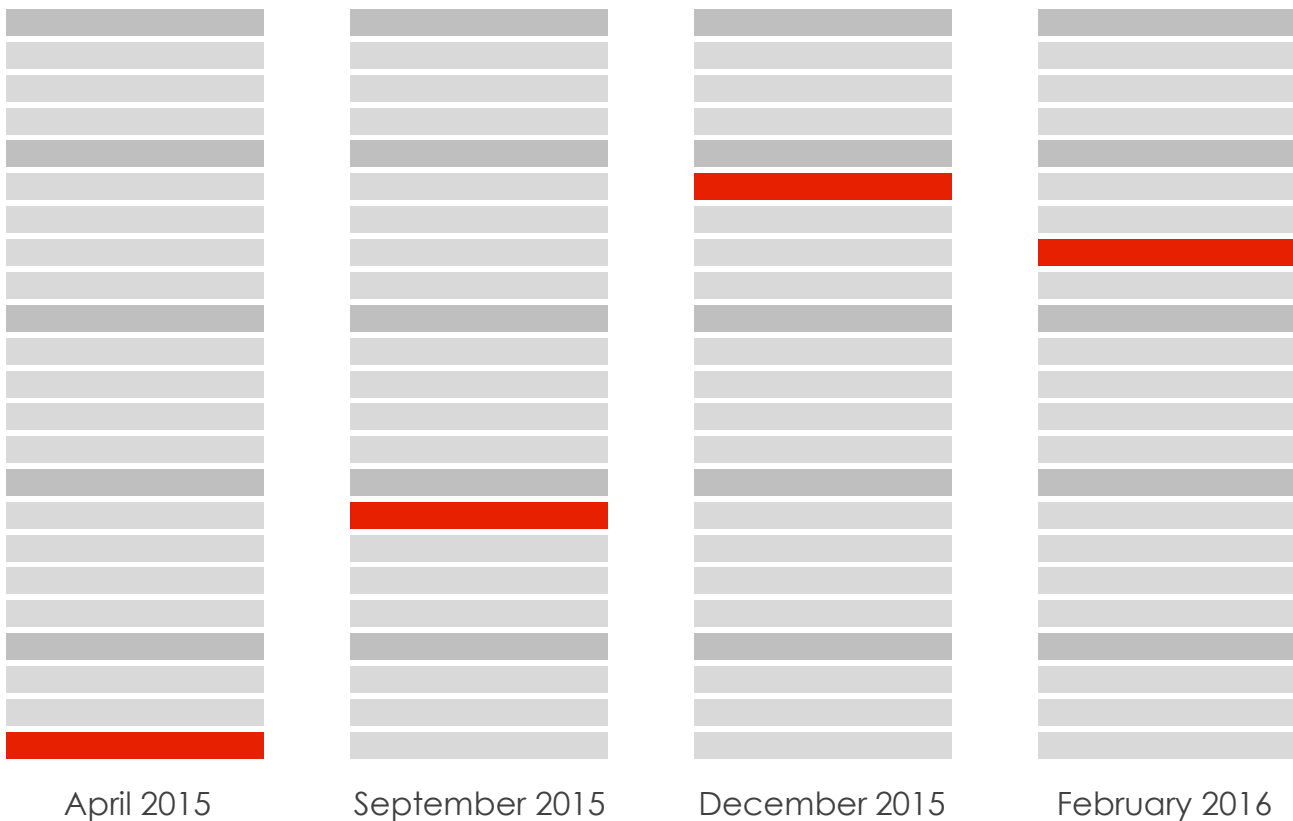
Fin res: 21 300.00 | Date/time: 28.04.2016 18:52:33 | Transactions: 6 163 | Gate: Connected | Robot: Connected

FACTORS THAT AFFECT TRADER'S INCOME

Trader's income is connected with exchange turnover and the sum of the commission. Percent of successful transactions is grows with fast software.

- ▶ ● 1. EXCHANGE COMMISSION **33% > 22%**
- ▶ ● 2. BROKER COMMISSION **33% > 22%**
- ▶ ● 3. NET INCOME OF THE TRADER **33,3% > 66,6%**
- ▶ ● 4. NUMBER OF SUCCESSFUL TRANSACTIONS **40% > 80%**
- ▶ ● 5. TRADER'S INCOME **100%**





CLIENTS TRADING OUR SOFTWARE THROUGH THE "BEST EFFORTS BANK",

rapidly raised the rating of the bank in terms of turnover in the currency section of the Moscow Stock Exchange

- 23 place– April, 2015,
- 16 place– September, 2015,
- 6 place– December, 2015,
- 8 place– February, 2016.

PARAMETERS OF LICENSES:

1 Data Center:

- DPC Amazon DPC dataspace

2 Software installation:

- Own server Rent server

3 Marketplace:

- Currency market Futures market
 Stock market Crypto market

4 Data transfer speed:

- 1 GB/s 10 GB/s

5 Exchange connection protocol:

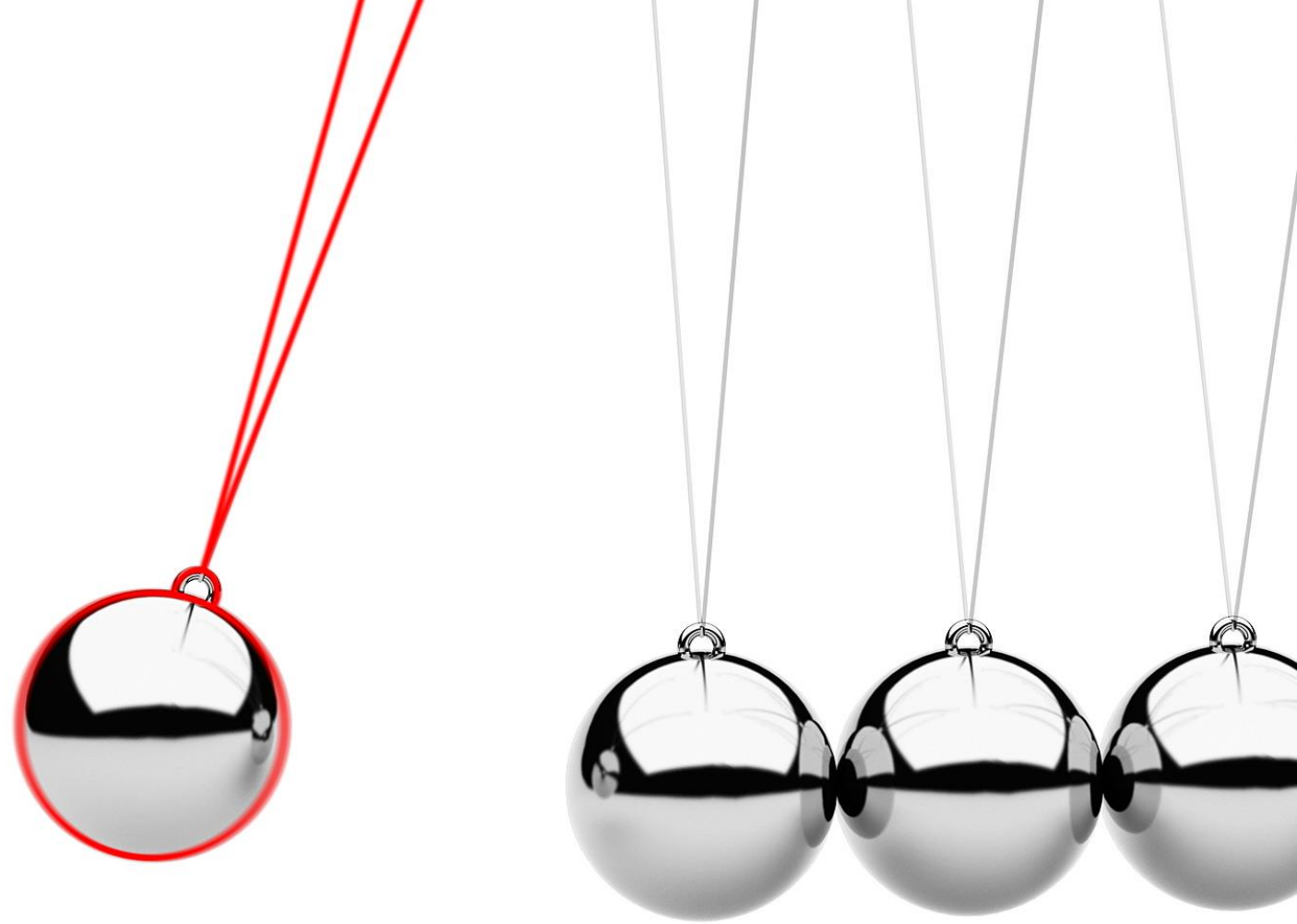
- FAST / FIX, TWIME Binary

6 Consultation:

- Consultation on the required server hardware configuration and tuning

WORK STAGES:

- 1** Accept configuration
- 2** The signing of the contract of the Software lease
- 3** The signing of the NDA agreement
- 4** Commissioning



COMPETITION AND PRIVACY ISSUES

MULTICONNECT-ARBITRAGE-ROBOT

Trade strategy, ready to work

LICENSE

We provide our Robots on the terms of the license

STRATEGY

Each of our clients forms unique trading strategy

ADAPTIBILITY

Ability to create "own" algorithm and customize by GUI and Python"

CONFIGURATION

Exclusive additions to the Robot from the developer on request

PRIVACY

We sign the NDA agreement

SECURITY

Connection settings are stored on a server running under the protection of exchange's Firewall

UNIQUENESS

We sell hi-tech developments. We aren't afraid to share them as the trading strategy of each trader is unique

WHY WE SELL?

We consider a great demand and requirement to buy the "ready-to-trade" Robot and a complete set of services. And still our main specialization – high-speed connections

CLIENTS WHO TRUST US



MULTICONNECT MARKETS AND PROTOCOLS



EXANTE



TWIME



- 2006  Alor-trade
- 2007 COM-objects
- 2008 **MySQL** + **quik**
- 2009 Plaza II **FORTS**
- 2010 New strategies
- 2011 **The Best Private Investor**,
 Futures on dollar.
3rd place.



- 2013 Binary/web socket
FAST / FIX
- 2014 MultiConnect +
Arbitrage
- 2015 MultiConnect + Algo
- 2016 **The Best Private Investor**,
 Futures on Brent
1 th place.
- 2017 Connection to the
Top 50 Exchanges
- 2018 Crypto Exchanges



"Viking" financial company

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Order detailed
description of
arbitration algorithm
by e-mail:
klochkov@fkviking.com

**In 2019, we planning reduce
round trip to 500 nanosec**

NYSE
NASDAQ
CME

SSE
HKEX
LSE

BITMEX
Binance
OKEX