

# *arena*<sup>xt</sup>

INTEGRAL BROKERAGE PLATFORM

The new Web-based version of InvestDirect

is available for brokers and their clients starting April 30, 2015

Watch InvestDirect ArenaWeb  
demo on



# InvestDirect is a BVB-developed brokerage platform dedicated to intermediaries.

**InvestDirect provides** all the necessary facilities that a brokerage firm needs in order to operate on the capital market: order management system, client portfolio management, risk management modules for the spot and derivatives market as well as online trading facility for clients.

InvestDirect is mainly based on the technology and architecture of ARENA-AUTOMATED EXCHANGE PLATFORM, the trading platform of BVB, to which were added functional modules related to the brokerage activity, transferring in this way to end-users the safety, performance and reliability of ARENA core trading system.

## InvestDirect core-system features

### 1 Online trading solution for the broker's clients

The intermediary can offer its clients access to market data, portfolio monitoring, account history, own orders management, through a total solution, with Internet based access to the trading venue system.

### 2 Virtual Trading Floor

For intermediaries which operates branches and agencies, InvestDirect is the key solution to unitarily integrate the data flows, the access control of traders to different accounts, the differentiation of traders' role etc.

### 3 Multi-engines/multi-assets solution

The platform can connect and operate simultaneously with multiple trading systems and can accommodate multiple financial instruments.

### 4 Order Management System (OMS) flexibility

InvestDirect manages clients' orders on the brokerage company's house account, as well as with their execution accounts in different trading systems. An order execution is monitored since initiated till the trade settlement, no matter the type of account used (individual, global, mixed).

### 5 Risk-management

Order management operations are validated in a dedicated module, according to the cash or instruments account reserves and to the margin call. The margin account can be customized at client level, and the margin calls are monitored, captured and sent to the client.

### 6 Complex account and user profiles

Multiple trading accounts for clients, different roles for users (trader, controller, supervisor, remote client), access rights by markets and instruments, standard (predefined) and custom-defined operations.

### 7 Performance

InvestDirect offers a top performance, with a low latency of the order roundtrip, inherited from the Arena-Automated Exchange Platform technology. We kept the reliability and the stability, and increased the orders processing speed.

### 8 Integration

Arenat-XT offers various ways to integrate in the brokers existing infrastructure, through programmable interfaces or file exchanges with back-office applications, CRM etc.

### 9 White Label Branding

The intermediary can customize the client terminal application according to its own corporate identity.

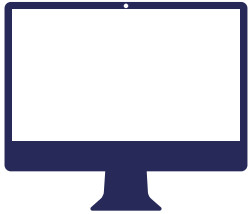
### 10 The lowest total cost of ownership in the market

With the software as a service (SaaS) type of subscription, the setup cost of InvestDirect is zero, the maintenance cost - with colocation service at BVB included - is one of the most competitive in the market, while BVB provides the full implementation support.

### 11 Just trade. We will keep you updated

The Romanian capital market architecture is an ongoing changing process at the level of structure, models, type of accounts, risk management mechanisms, new financial instruments. InvestDirect offers to intermediaries the fastest way to accommodate those changes.

# The InvestDirect Client-Side Family



**for Windows PC**

since 2010



**ArenaWeb**

available starting with  
end of April, 2015



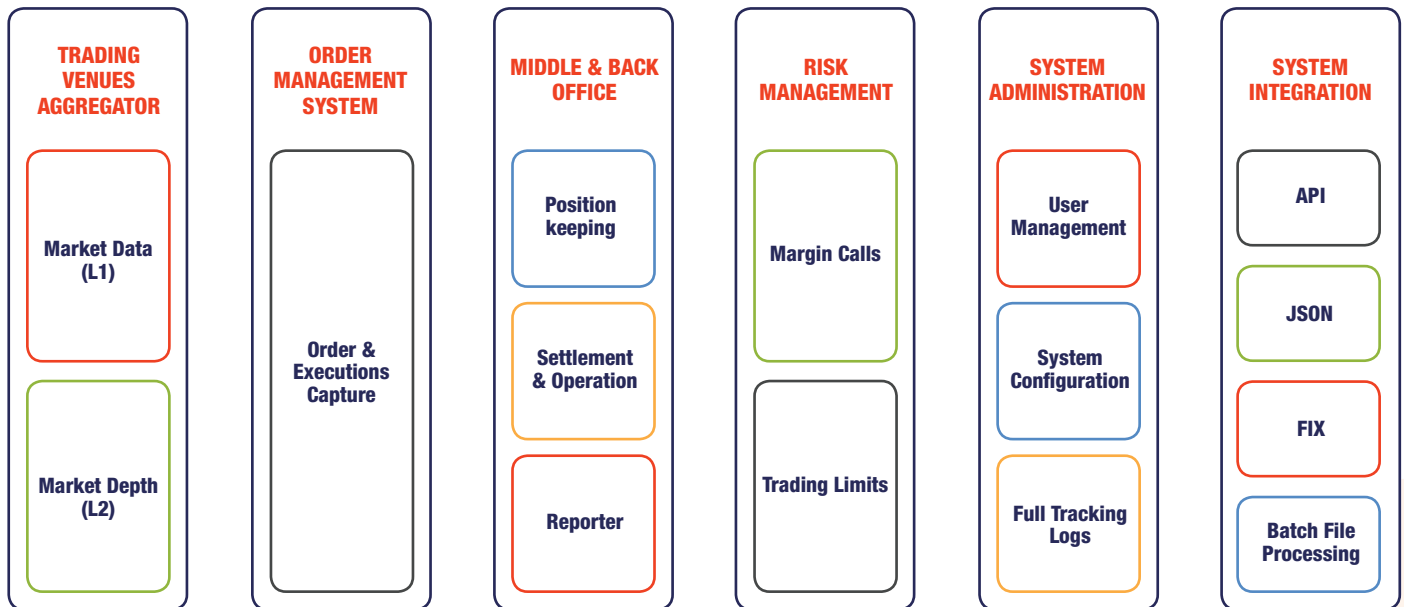
**API**

available starting with  
end of May, 2015



**Android/iOS App  
smartphones**

September 2015



# The newest addition to the platform, InvestDirect ArenaWeb trading terminal

- ready to be used on all the available platforms – personal computers, tablets, smartphones;
- cross browser web trading application that works in all major browsers and operating systems;
- optimized for: Internet Explorer 10, Safari, Chrome, Firefox, Opera.



## Features

### 1 Accessibility

The system is accessed via Internet, using a computer equipped with a modern browser and any operating system. The client connects to the intermediary's InvestDirect server system based on the access data supplied by the broker.

### 2 Real-Time Data

All operations are performed in real-time. Confirmations and messages from the exchange are also received in real-time, without the need to place a request. Trading information (Market Data) is displayed in real-time in panels like Indices, Ticker and Market Watch. Same applies to the market depth information (full market-by-price view). The latest changes to fields are displayed on a background color different from the rest of the fields to be more easily noticed.

### 3 Order Management / Order Types

All order types implemented by the Bucharest Stock Exchange at the level of the trading engine are available on the web trading desktop for the end-client: limit, market, unpriced, hidden orders, good till date, FOK, FaK, good till canceled, contingent orders (Stop, If Touched, TAL), valid for opening, auction, trading-at-last, closing. The clients own orders can be modified directly from the market depth view.

### 4 Portfolio

Portfolio function offers a consolidated display over the cash and instrument positions for each type of account managed by the current user. The portfolio is evaluated in real-time by the market price and the profit or the loss realized or to be realized are highlighted.

### 5 Activity Monitoring

The client has the possibility to monitor all the instructions executed on his account, through detailed reports of orders, trades and management operations on account level.

### 6 Web-based charts

lines, OHLC, candlestick (daily/intra-day data)

### 7 Safety

The safety of the platform and the communication between the terminal and InvestDirect platform, in terms of authentication, authorization, access monitoring and traffic encryption is enforced through industry-standard mechanisms.

### 8 Performance

The execution speed for instructions and orders is ensured by implementing Arena-Automated Exchange Platform technology in the online trading platform.

### 9 Intuitiveness

The program is self-explanatory. It's that simple that you don't even need a user-manual to use this software.