Borsa İstanbul International Technology Services

Services on Exchange Technology - I

Services on Trading, Settlement & Custody Technology

1. **Design Study**

2. **Program Management**

3. **Project Management**

4. **Testing – Business & IT**
   i.   **Early Customer Testing**
   ii. **User Acceptance Testing**

5. **Developing Middleware Applications to Integrate Legacy Applications (Dashboards, Datawalls, Website etc.) with New Exchange Systems**

6. **Data Migration**

7. **Go-live Support**

8. **Post Go-live Support**

Services on Exchange Technology - II

Services on other topics

1. **Technical Documentation Support**
2. **Index Calculation Services**
3. **Training and Testing Support for the Surrounding Systems**
   i. **Surveillance**
   ii. **Business Operation Activities**
   iii. **Others**
4. **Microservice Operating and Monitoring Application (e.g. JINDO)**
5. **PTRM Support**
6. **Data Dissemination**

BISTECH Trading System

➢ Borsa İstanbul has ownership of operating licenses and source codes of the BISTECH technology as well as ownership of the re-sale rights in 27 countries including Türkiye.

➢ Services provided in the region covering Turkic countries, Balkans, the Middle East and the Far East

➢ + 250 IT personnel including analysts, developers, testers and system integrators

TÜRİB Implementation

Türkiye Mercantile Exchange (TÜRİB/TMEX) was established in 2018.

In less than 6 months, BIST completed the adaptation and onboarding of BISTECH Technology to TÜRIB with parametric market configuration. The experience and expertise of BIST in this area made it possible to flow this transition smoothly.

TÜRİB Spot Market (Electronic Product Agreements - Elüs) started to trade with BISTECH technology in 2019.

BIST provides the following services to TÜRİB under an agreement;
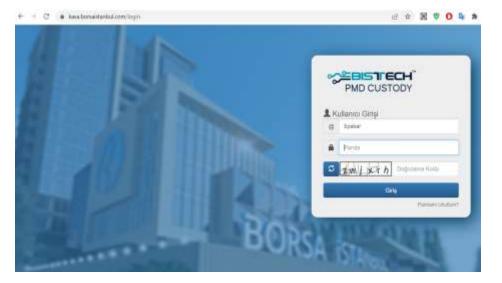
- Trading Product Family
    - Trading system
    - Trading Workstation (Client Application)
    - FIX Protocol-based API connection
    - Datawarehouse
- TÜRİB Market design on trading products by BIST experts
- Market & System operation monitoring (TÜRİB also has its own IT & Market Operations)
- Co-location and maintenance services provided by BIST Data Center

KASA

Standard and/or Nonstandard precious metals that have features below can be traded in the KASA is a platform that works integrated with GENIUM trading and clearing system, manages the inventory of precious metals, provides physical clearing and settlement of precious metal transactions in and out of the market and manages custody operations on member and customer basis.

The platform, which works on micro services with a web-based interface and has a high level of redundancy and service continuity, is compatible with GENIUM product groups as well as can be integrated with different technologies.

KASA Main Features

- Managing clearing, settlement and custody operations of precious metal transactions

- Integration with GENIUM trading and clearing system

- Full instrument integration using mutual tailor made function

- Managing of member and customer-based custody operations

- Non-trade transfer feature

- Defining, calculating and reporting commissions

- Providing intraday (early delivery) and end-of-day settlement operations

- Specific and general features that can be customized for each product separately

- Providing the uniqueness of a metal with its Serial Number, Constant Serial Number and Refinery Information

- Tracking all movements of physically stored metals on the KASA

Special Agreements with Nasdaq- Technical Solution Services, PTRM API

Technical Solution Services

Within the scope of the agreement made with Nasdaq, we provide technical solution services for Nasdaq products to some of the largest stock exchanges in Asia. At the same time, our software experts receive on-the-job training from Nasdaq experts on an ongoing basis.

PTRM API Services

The PTRM API (Application Programming Interface) feature, which Borsa İstanbul Group developed to enable the integration of brokerage firm applications with the PTRM (Pre-Trade Risk Management) application. Nasdaq purchased this product from Borsa İstanbul, code delivery will be completed within 2024.

Special Agreements with Nasdaq - BISTECH Index System, International Data Audits

ICS3 (BISTECH Index System) Development

We work in close cooperation with Nasdaq on the project of implementing BISTECH Index System (ICS3) instead of ICSII, the current index calculation and management system in BISTECH environment. Nasdaq shared with us the source codes with the latest developments.

International Data Audits

Borsa İstanbul data audit teams provide data auditing services to various Nasdaq clients globally.