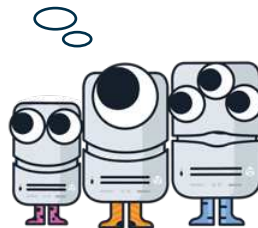


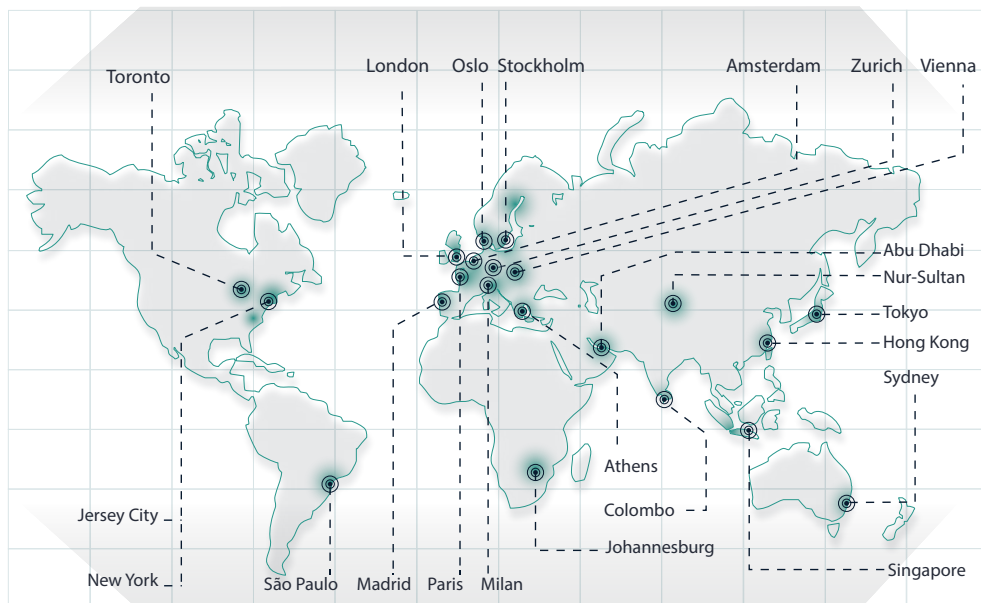
Do you have systems that you would
like to put into live service in 2020?

EXACTPRO HISTORY AT A GLANCE

- Exactpro specializes in quality assurance services and related software development with a focus on test automation for financial market infrastructures worldwide.
- Incorporated in 2009 with 10 people, the company has experienced significant growth as satisfied clients require more services; now employing over 540 specialists.
- Exactpro was a part of the London Stock Exchange Group (LSEG) from May 2015 to January 2018. The company then went back to being an independent firm, following a successful buyout by its management.
- Headquartered in the UK, Exactpro has operations in the US and Eastern Europe.
- In September 2018, Exactpro opened a new R&D center in Tbilisi, Georgia.
- Since Exactpro's foundation, the company's client network has expanded to 22 countries around the world.



THE EXACTPRO CLIENT NETWORK



OUR MOST WORKING GROUP WITHIN THE FIX TRADING COMMUNITY

Would you like to participate
in developing cross industry quality and
reliability standards?

In 2019, Exactpro initiated the formation of MOST (Monitoring, Onboarding and Software Testing) working group within the FIX Trading Community. The group is co-chaired by Krishna Tharanoju, Consultant at Pictet Asset Management, and Iosif Itkin, CEO and co-founder of Exactpro. The goal is to address the need for further standardization and innovation.



The group's mission is to raise the quality and reliability of platforms operated by FIX Trading Community Members. This is being implemented via developing a set of recommended practices for software testing of FIX-related financial applications and creating technical guidelines for their quality and reliability assessment. The group meets on a monthly basis and also collaborates with the FIX Orchestra Working Group and the Cybersecurity Working Group to ensure alignment across a number of related issues.

Exactpro Partners

Exactpro partners with numerous global organisations on multiple projects worldwide.





Exactpro specialists relentlessly work on extending the regression libraries and performing gap analysis. We are building faster software to execute more tests and run them concurrently, under load. The same sets of tests are repeated multiple times so that they can be improved and made more diverse based on the collected data. We also intensify the usage of chaos engineering in our non-functional, failover and recovery testing. In order to collect, store and process all these data sets, we need to enhance the hardware as well. We are currently building the Exactpro cloud to implement efficient testing infrastructures and raise the effectiveness of our company's suite of test tools.

The Exactpro test cloud will serve as storage for all the test data and a cradle for the next generation of testing tools. It will contain built-in test coverage and compliance reporting. Its pricing will be tailored to massive defect mining processes. The existing cloud computing offerings typically work well when one needs to obtain capacity for a short period of time. However, defect mining implies that one has a complex system and has to constantly run tests against it under load in order to get as many defects hidden in the software as possible.

This year, our focus has also been on increasing the number of projects using cloud. In parallel with creating the Exactpro cloud, we have worked on the following three initiatives:

- 1) Aligning non-functional testing (NFT) with Kubernetes and working out an NFT testing approach for the cloud. There were multiple adjustments that had to be made, compared to ordinary enterprise NFT.
- 2) Adding support of Docker in Exactpro tools. The tools are now delivered as Docker images.
- 3) Working with AWS, Azure and Google Cloud as part of our ongoing projects.

Would you like to visit
Tbilisi in 2020?



TMPA
EXTENT CONFERENCE



Exactpro opened its first office in Georgia in September 2018. Since then, creating and nurturing the Quality Assurance community of professionals in the region has been one of Exactpro's top priorities.

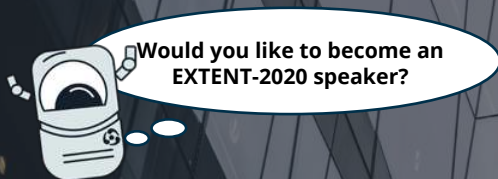
EXTENT Talks bring together IT specialists working in various industries and seeking professional growth, practitioners from IT firms, as well as Quality Assurance enthusiasts of all backgrounds interested in actively participating in IT events in the region. Two **EXTENT Talks** took place in Tbilisi in 2019. To stay up to date on the upcoming events, please visit the [EXTENT Talks website](#).

TMPA (The International Conference on Software Testing, Machine Learning and Complex Process Analysis) is an annual scientific conference committed to exploring innovations in software testing, verification and analysis, including the applicability of the latest data science methods to the analysis of software quality. TMPA-2019 was held in partnership with Exactpro, Springer, ACM Sigsoft and Ivane Javakhishvili Tbilisi State University. For **TMPA-2020** news and call for speakers, follow the updates at tmpaconf.org.

Exactpro is proud to have initiated the creation of a new local ISTQB member board – **GeoSTQB**, the Georgian Software Testing Quality Board. The Board promotes the importance of professional excellence among software testers and will soon administer certification of IT professionals in Georgia according to the highest international standards.



TMPACONF.ORG



SOFTWARE TESTING AND TRADING TECHNOLOGY TRENDS CONFERENCE

EXTENT is an annual forum for sharing innovative trading and post-trade technology ideas and expertise among specialists working in the global financial markets industry. EXTENT-2020 will be held in London in June.

The EXTENT-2020 agenda will feature, but will not be limited to the following sections:

- Post Trade and Distributed Ledger Technology
- Non-functional Testing in the Cloud
- Regulatory Impact on Software Testing
- Resilience of Financial Market Infrastructures
- Agile Software Testing and DevOps
- Artificial Intelligence and Software Testing

The EXTENT series events highlight the latest trends in developing program and hardware platforms used at exchanges, brokerages, investment banks and other trading participants, focusing on quality assurance and efficiency of such platforms.



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