Supply chain building blocks.

TESISQUARE rapidly develops a scalable platform so clients can optimize their supply chains.

"Adobe ColdFusion acts as the core foundation for the TESISQUARE platform. For us, the most important capabilities of Adobe ColdFusion are rapid development support, easy integration with other systems, and security."

Gianluca Giaccardi, Chief Product Officer, TESISQUARE

SOLUTION

Adobe ColdFusion Enterprise

RESULTS

INTEGRATES easily with third-party data and applications

QUICKLY adds features and develops new products

SECURES applications with automated analysis

Virtualization optimizes infrastructure **SAVINGS**

TESISQUARE

Established: 1995

Employees: More than 300

Cherasco, Cuneo, Italy

https://tesisquare.com

CHALLENGES

· Create platform for modular SCM software solutions

· Rapidly develop new solutions from existing components

· Connect with third-party data and applications

· Maintain data security and integrity

"Because TESISQUARE can run multiple instances of Adobe ColdFusion on the same physical machine, we can optimize hardware utilization without any performance loss from our applications."

Gianluca Giaccardi, Chief Product Officer, TESISQUARE

Building a collaborative supply chain

Excellence in supply chain visibility (SCV) is most simply defined as sending or receiving the right product at the right time at the lowest possible cost. Depending on the size of the company, SCV can include everything from procurement and warehousing to supplier coordination and transportation. Properly executed SCV can reduce a company's costs, improve competitiveness and customer service, and enhance visibility into operations and regulatory compliance. But it requires the right tools.

TESISQUARE has been developing sourcing, procurement, and transportation management solutions since 1995, with a focus on integrated, collaborative solutions for planning, managing, and tracking goods through their entire journeys. Whether a client needs to acquire bulk commodities, assemble a variety of components from multiple suppliers, or fulfill package delivery, TESISQUARE has software modules that digitalize every link in the supply chain.

"The TESISQUARE platform streamlines sourcing and logistic processes and turns paper-based workflows into easy-to-use web applications," says Gianluca Giaccardi, Chief Product Officer, TESISQUARE. "Our platform uniquely addresses extended supply chain needs by ensuring cohesive visibility into upstream and downstream processes and effective collaboration among partners."

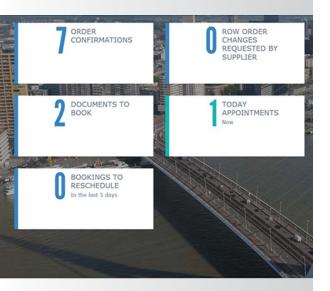## Keeping pace using rapid development

Since its founding, TESISQUARE has been building a robust, modular platform that enables customers to add features when needed and scale easily to meet business demands. Today, the TESISQUARE platform features web-based, multi-device-enabled solutions that securely centralize information exchange for real-time collaboration and integrate seamlessly with third-party data and applications.

For the past 15 years, the company has built the TESISQUARE platform with Adobe ColdFusion. The platform currently includes suites for sourcing and procurement, supply chain execution, transportation management, and retail and e-commerce. Adobe ColdFusion provides the right balance of stability and flexibility for responding quickly to an ever-changing technological landscape.

"Adobe ColdFusion acts as the core foundation for the TESISQUARE platform," Giaccardi says. "For us, the most important capabilities of Adobe ColdFusion are rapid development support, easy integration with other systems, and security."

About 80 TESISQUARE developers build functional application blocks in Adobe ColdFusion. The modules can be rapidly assembled into a variety of complex systems. This bottom-up approach of building reusable libraries accomplishes two main goals: TESISQUARE can quickly and cost-efficiently build new solutions and have the flexibility to assign projects to ColdFusion developers of any skill level.

SOLUTION AT A GLANCE

Adobe ColdFusion Enterprise

For more information
www.adobe.com/products/coldfusion-family.html

Integration, integrity, and efficiency

TESISQUARE is extremely proud of its ability to integrate its products with other systems. Adobe ColdFusion supports high performance and security in the TESISQUARE platform, whether it's synchronizing data from internal components or from third-party applications, such as enterprise resource planning and product lifecycle management systems.

"TESISQUARE also uses Adobe ColdFusion to query network directory services, including Microsoft Active Directory and the Lightweight Directory Access Protocol," says Giaccardi. "This allows our applications to leverage directory data into their processes."

TESISQUARE is also creating greater efficiencies in its data centers by virtualizing its Adobe ColdFusion deployment. The company currently runs more than 200 instances of Adobe ColdFusion on about 120 virtual servers, loading independent applications on its own Java Virtual Machine. Isolating applications from each other this way prevents problems with one application from affecting the rest.

Virtualization supports load balancing and failover, too. If one server instance fails, the web server connector in Adobe ColdFusion can automatically switch loads to another server. TESISQUARE also maximizes the return on its investments in hardware with virtual machines.

"Because TESISQUARE can run multiple instances of Adobe ColdFusion on the same physical machine, we can optimize hardware utilization without any performance loss from our applications," says Giaccardi.

Users in more than 80 countries use the TESISQUARE platform, and the company's growth strategy includes continued investments in Adobe ColdFusion, including the underlying technology and developers, technical consultants, and analysts. They help TESISQUARE stay focused on increasing the efficiency and interoperability of its collaborative digital ecosystem.

"The integration capabilities in Adobe ColdFusion help TESISQUARE continually find new and better ways to synchronize and integrate the flows of data and goods for our customers," says Giaccardi. "Adobe ColdFusion helps us improve collaboration, visibility, and control with fast, flexible, and scalable solutions."