



LEADING DEFENSE FIRM BOOSTS SECURITY AND MAINTAINS SECRECY WITH MAXPATROL™

THE CHALLENGE

Automatically identify vulnerabilities and determine compliance with unique corporate IT Security standards; support multiple systems and technology types whilst working completely offline

Bharat Electronics Limited (BEL) manufactures and integrates a wide range of products with both civil and military applications – from radar and sonar equipment to telecoms, satellite and broadcast systems, missiles, tank electronics, fire control systems, biometrics and electronic voting machines.

With defense contracts worth billions of dollars a year and a key role in the design and development of many parts of India’s critical infrastructure, BEL and its customers need to have complete confidence in the security and availability of its products and solutions. The solutions created by BEL also need to meet stringent IT security standards imposed by regulators and individual clients.

In 2012, BEL identified the need to replace its existing manual processes for vulnerability and compliance management with more efficient, automated procedures. Support for many different technologies and the ability to monitor compliance with BEL’s own bespoke IT policies were key requirements but BEL’s number one priority was a solution that could be updated offline, allowing it to operate in isolation from the Internet and without requiring outsiders, including the solution vendor, to have physical or remote access.

THE SOLUTION

MaxPatrol Vulnerability and Compliance Management

The MaxPatrol Vulnerability and Compliance Management solution was installed in BEL’s research center in Bangalore in 2012 by Positive Technologies. BEL’s experts assemble and test all new technology solutions at this facility before they are shipped to clients. MaxPatrol’s agentless technology quickly and effortlessly performs detailed security testing on each completed infrastructure, generating clear reports that demonstrate the solutions are free of vulnerabilities and compliant with the required IT security policies.

MaxPatrol provides a full inventory of all hardware and software components used in the solution and can rapidly identify vulnerabilities and misconfigurations that might put the solution (or the end-client’s wider network) at risk. In addition to built-in tests that determine compliance with a wide range of international standards such as ISO 27001, MaxPatrol is easily customized to check for conformity to BEL’s own internal IT security standards and those specified by clients for individual projects.

To maintain BEL’s strict limits on physical access and connectivity to its facilities, the MaxPatrol solution in Bangalore remains permanently offline and is accessed only by BEL staff. Knowledge base updates are downloaded from the Positive Technologies update servers onto portable devices and transferred to MaxPatrol offline. Positive Technologies worked with BEL to define and document their internal corporate IS policies and provide training on the simple process of configuring custom compliance checks within MaxPatrol.

COMPANY PROFILE

- + Industry:**
Defense and Aerospace
- + Ownership:**
State-owned, operated by India’s Ministry of Defense
- + Client Base:**
Military and critical services such as coast guard
- + Size:** 10,000+ staff across nine factories and regional offices
- + Revenue:**
US\$1.1bn (2014)



QUALITY. TECHNOLOGY. INNOVATION

HIGHLIGHTS

- + Advanced overall security by rapidly identifying vulnerabilities in all systems and eliminating human error
- + Shrank costs by automating labor-intensive vulnerability and compliance testing
- + Boosted customer confidence with immediate validation of compliance with industry standards & custom IT policies
- + Preserved secrecy with offline updates that conform to BEL's strict limits on physical access and connectivity

THE BENEFITS

Faster identification of vulnerabilities and reduced administrative costs without compromising on-site security

MaxPatrol's automation and support for a wide range of different IT systems has allowed BEL to move away from its previous labor-intensive, manual approach to vulnerability and compliance management. Testing of a solution's entire infrastructure, from hardware and operating system to network and security equipment, can now be carried out more quickly, efficiently and frequently than before, with less scope for human error. As well as generating cost savings, this means BEL can identify and fix vulnerabilities sooner, leading to an overall improvement in the security level of the solutions it delivers.

MaxPatrol's compliance management features allow BEL to demonstrate that the complex, integrated solutions it produces for India's critical infrastructure are compliant with international standards as well as the custom IS policies specified for individual projects. This helps to give BEL's highly-sensitive clients greater confidence that these solutions will be resilient to cyber-attack.

MaxPatrol support for offline updates means BEL can benefit from the regular updates made by Positive Technologies to the MaxPatrol knowledge base, without connecting the solution to the Internet or requiring outsiders to access their systems and facilities.

About Positive Technologies

Positive Technologies is a leading provider of vulnerability assessment, compliance management, and threat analysis solutions to more than 1,000 global enterprise clients. Our solutions work seamlessly across your entire business: securing applications in development; assessing your network and application vulnerabilities; assuring compliance with regulatory requirements; and blocking real-time attacks. Our commitment to clients and research has earned Positive Technologies a reputation as one of the foremost authorities on SCADA, banking, telecom, web application, and ERP security, and distinction as the #1 fastest growing Security and Vulnerability Management firm in 2012, as shown in an IDC report*. To learn more about Positive Technologies please visit ptsecurity.com.

*Source: IDC Worldwide Security and Vulnerability Management 2013-2017 Forecast and 2012 Vendor Shares, doc #242465, August 2013. Based on year-over-year revenue growth in 2012 for vendors with revenues of \$20M+.

© 2016 Positive Technologies. Positive Technologies and the Positive Technologies logo are trademarks or registered trademarks of Positive Technologies. All other trademarks mentioned herein are the property of their respective owners.