

Bereket Energy Secures its Network with Next-Generation Firewalls from SonicWall

Energy firm deploys 17 firewall solutions across multiple locations in Turkey to inject cost-effective, comprehensive network security into IT infrastructure

Business need

As Bereket Energy has grown its business footprint and added on new offices and plants in different, locations over the years, its IT infrastructure also grew, creating challenges across the board on how to comprehensively secure a distributed network. The company was compelled to look for a more powerful solution with advanced bandwidth policy options and a firewall platform that combines multiple security technologies into one cost-effective and easy to manage unit without compromising network speed.

Solution

The installation of 17 SonicWall next-generation firewalls (NGFW) deployed in various locations across Turkey from the SonicWall TZ Series and NSA Series as well as the SuperMassive series, has boosted Bereket Energy's IT infrastructure security and network bandwidth demands, providing its employees with fast, secure and uninterrupted connectivity to the Internet and other business applications.

Benefits

- Enterprise-grade protection
- Optimised network speed and performance
- Enhanced bandwidth management
- Protection of data and IT assets
- Fast, secure and uninterrupted Internet connectivity and access to applications
- Less time to manage with all-in-one solution

Solutions at a glance

- Next-Generation Firewalls
- Management and Reporting

“As we grow our business footprint and add on new offices and plants in different, far-apart locations, the IT team needs to be ready to connect any system to the headquarters securely, which SonicWall has now made possible for Bereket Energy.”

**MERT ECE, CIO,
BEREKET ENERGY**

bereket enerji

CUSTOMER PROFILE

Company	Bereket Energy
Industry	Energy generation
Country	Turkey
Employees	4,000
Website	www.bereketenerji.com.tr

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BEREKET ENERGY**

Turkey-Based Energy Corporation Enhances IT Infrastructure Security and Optimises Network Speed

Bereket Energy was established in 1995 with the construction of its very first hydroelectric plant on Turkey’s Bereket stream. Headquartered in the nation’s industrial hub Denizli, the energy firm generates electricity leveraging geothermal, hydroelectric, thermic, solar, wind and solid waste resources. Bereket Energy designs, builds, installs and operates its own energy plants, and by the end of 2016, the company had generated a total of 2GW of electricity, 1GW of which was generated from renewable resources. To secure the virtual network connecting its multi-office, multi-plant layout, Bereket Energy selected SonicWall’s next-generation firewall (NGFW) solutions, with 17 firewalls deployed across various locations in Turkey.

Bereket Energy houses over 4000 employees operating across a total of four offices and 21 plants. The company’s eight-member IT team is charged with managing its network, which includes facilitating anywhere-anytime connectivity between the organisation’s headquarters in Denizli and the various plants and offices distributed across Turkey, as well as users looking to connect remotely.

Bereket Energy’s virtual network is configured in line with star topology and is enabled by VMware software. The network is used by 160 employees housed within the company’s headquarters and by approximately 1400 employees working outside of the headquarters.

Over the last few years, as IT infrastructure has grown pivotal to the organisation’s strategy, network security too has graduated to the top of Bereket Energy’s list of priorities, particularly in light of the mounting significance of cybersecurity to organisations operating within the energy sector.

Ideal Solution

While firewalls are an essential part of network security, run-of-the-mill traditional strains tend to be very limiting: they can close unneeded ports, apply routing rules to packets and fend off denial-of-service attacks, but they lack the visibility needed into packets to detect malware, identify hacker activity or help manage end-user activity on the Internet. Traditional firewalls can also be expensive to operate, particularly because they frequently need to be supplemented with additional security technologies.

Next-generation firewalls, on the other hand, combine multiple network security technologies into one solution. They incorporate the features of traditional firewalls, gateway anti-malware products, intrusion prevention systems, sandboxing and content filtering packages. Additionally, they allow for this range of security services to be installed, configured, deployed and managed as a single unit, which considerably lowers administrative costs.

To protect its network against a large variety of threats, including viruses, malwares and intrusions, and to do so in a cost-effective, efficient manner, Bereket Energy considered several market-leading solutions and ultimately selected SonicWall’s high-performance next-generation firewalls.

Ranging across solutions from the SonicWall TZ Series to the NSA and SuperMassive Series, Bereket Energy has opted to deploy 17 of these firewalls in various locations across Turkey and managing them centrally with SonicWall’s Global Management System (GMS) software. The SonicWall GMS provides organisations and distributed networks with a powerful and intuitive solution to centrally manage and rapidly deploy SonicWall NGFWs.

Products & Services

Services

Comprehensive Gateway Security Suite

Hardware

SonicWall SuperMassive 9600 in HA

SonicWall NSA Series

SonicWall TZ Series

Software

SonicWall Global Management Systems

Comprehensive security without jeopardising network speed

The SonicWall TZ offers affordable enterprise-grade protection and uncompromising security over wired and wireless networks. It delivers comprehensive security spanning intrusion prevention, gateway anti-virus, anti-spyware, content filtering and anti-spam services with the intuitive, easy-to-use SonicWall user interface.

“We considered other firewalls on the market, but SonicWall’s next-generation firewalls won out because their multi-core architecture allows multiple security services to be switched on without jeopardising network speed. These firewalls also come stitched on with a lower total cost of operations,” comments Ece.

Local presence makes for an easy call

The week-long implementation of SonicWall’s next-generation firewalls was further simplified by Sonicwall’s local presence in Turkey and collaborated with Bereket Energy’s IT staff to incorporate the security solutions into the company’s IT infrastructure. In tandem, SonicWall’s local business partner Dosbil helped Bereket Energy navigate each step of the implementation and subsequent management.

“SonicWall having a local team and a local business partner played an important role in our decision. Between the two teams they trained our IT staff to manage the solutions, and also supplemented the process with sound advice at each and every stage,” says Ece.

The role of IT in Bereket Energy’s operations is continuously evolving, with an increasing number of day-to-day processes becoming dependent on the provision of a secure, efficient network. “As we grow our business footprint and add on new offices and plants in different, far-apart locations, the IT team needs to be ready to connect any system to the headquarters securely, which SonicWall has now made possible for Bereket Energy. We have also registered a dramatic decline in the number of help-desk cases. Meanwhile, securing all connections and user traffic helps us meet ISO standards,” continues Ece.

Now, following the successful implementation of SonicWall’s next-generation firewalls, Bereket Energy’s IT department is looking into adopting the SonicWall Global Management System (GMS) to optimise network security monitoring, enhance reporting and ease administrative workloads by centralising monitoring and control.



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