

# SECURING ENERGY USING LESS ENERGY

## BENEFITS:

- Utilize best-in-class applications to meet compliance regulations
- Reduce time to compliance with a security platform that can quickly adapt to changing cyber requirements
- Lower total cost of ownership with dramatic network consolidation
- Maximized security with 50% lower energy

One of the largest changes for energy companies is coming in the form of stricter cyber security compliance regulation. The increased visibility of threats against energy generating facilities such as power stations and transmission systems from terrorist organizations and foreign countries is on the rise. The increased threat level in turn is putting more political pressure on agencies such as the North American Electric Reliability Corporation Critical Infrastructure Protection (NERC) to react. In particular, the NERC-CIP (Critical Infrastructure Protection) regulations are undergoing major revisions to ensure a strong cyber security foundation is in place to protect the electric grid.

At Crossbeam, we understand the challenges you face in the energy business. We have worked with leading energy companies from around the globe such as Centrica, Roseneft, CEZ, Northeast Utilities and Energy. We have helped them re-architect their security infrastructure by consolidating multiple security applications together into one platform - the X-Series. Crossbeam has also helped energy companies around the world successfully protect the electronic security perimeter and maintain compliance.

## REDUCED TIME COMPLIANCE

Defense-in-depth is critical in ensuring every asset that resides within a security perimeter is secure. NERC- CIP-005 Cyber Security regulations provide guidance relating to monitoring & identifying all electronic communications, and where feasible implement detection, vulnerability assessment and alerts for unauthorized access.

In order to achieve a holistic defense-in-depth security system, many distinct security services have to work together, such as access control, application-level firewall and Intrusion Detection Systems. Crossbeam's security platform delivers the ability to run multiple best- of-breed security services together on one platform, saving architectural and engineering development time.

Crossbeam partners with Check Point, Imperva, Sourcefire and IBM ISS to deliver a next generation firewall solution that can provide state-of-the- art security for electronic security perimeters, such as those defined in NERC-CIP-005

## CONSOLIDATE. REDUCE ENERGY. REDUCE COST.

The costs associated with becoming energy compliant and improving cyber security often means IT projects elsewhere get postponed. Traditionally, improving security to meet the ever-increasing threats and bandwidth demands meant adding appliances. It also entailed adding the supporting switches, load balancers, power cords and cabling. The result was significant capital and deployment costs, not to mention disruption of the network and an inefficient use of energy.

Crossbeam has a different approach. We work to consolidate by collapsing on average 50 network devices and security appliances into a single platform, reducing capital costs and operational costs. Not to mention reducing power and cooling by over 50% and cutting carbon emissions from the data center.

Ready to rethink your network?