

# HID® ActivOne™ for Energy



## HID Global ActivOne for Energy Helps Protect Access to Critical Infrastructure IT Systems

### Energy Companies Stepping Up to Meet Cybersecurity Challenges

Energy executives are becoming more concerned about the impact a cyber-attack could have on their organizations, but greater understanding, quantification, and mitigation strategies may be needed to tackle this growing risk.

Energy companies recognize that securing physical and logical access to a growing IT control infrastructure is essential. They are addressing the issues of physical and logical access control with end-to-end identity lifecycle management and advanced multifactor authentication.

#### Solutions:

- HID ActivOne solution
- Crescendo® ID smart badges

### The Challenge

#### Protecting Critical Infrastructure

As the U.S. National Security Strategy highlights, “the vulnerability of U.S. critical infrastructure to cyber, physical, and electromagnetic attacks means that adversaries could disrupt military command and control, banking and financial operations, the electric grid and means of communication.”

Our National Intelligence Agencies have noted the increasing number and sophistication of cyber threats. Today, the digital cyber-attacks targeting information technology are growing increasingly common, seeking to cause disruptions, obtain access to email accounts and personal information, exfiltrate data to release to the world at large, and exploit information for private gain.

Given its criticality to all other sectors, the energy sector is a prime target for cyber disruption.

### The Solution

#### Convenient, Integrated Security

In order to protect power generation, transmission and distribution, energy companies need to be able to control physical and logical access to their resources, including buildings, equipment, information technology, and industrial control systems (ICS). They must be able to authenticate the individuals and systems to which they are giving access rights with a high degree of certainty, whether they are employees, contractors, vendors, or partners.

The HID ActivOne solution for multi-factor authentication and identity credential management using FIPS-certified Crescendo® ID smart badges, is a



natural fit. It is the only complete end-to-end identity lifecycle management and advanced authentication solution available.

Backed by decades of experience in supplying government grade security and innovation in end-to-end identity lifecycle management, HID ActivOne offers more advanced authentication technology options than any other product offering.

## The Benefits

### Secure, Efficient Access

Using HID's ActivOne for identity lifecycle management and advanced multi-factor authentication, energy companies are able to equip their employees with smart ID cards and/or virtual credentials on their phones that can be used for the following:

- Logical access to corporate network and workstations
- Physical access to buildings/rooms and cabinets
- Single sign-on (SSO) to the IT system and all cloud-based applications
- Email digital signatures and encryption
- Derived credentials
- Certificate-based authentication

These capabilities deliver a variety of benefits that provide energy sector organizations with value, including:

- Higher security
- Convenience
- Cost savings

Click [here](#) to read the U.S. National Security Strategy White Paper.



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2018-11-28-hid-activone-energy-cs-en PLT-04126

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