

# Helping you maintain a safe and sustainable culture

## ABB's commitment to safety and the environment can help you meet your goals

As a leader in the power industry, ABB carefully considers health, safety and the environment (HSE) in all aspects of product design, manufacturing, installation/construction and life cycle services – helping you to minimize risks, lower project costs and shorten project schedules.

ABB is one of a few companies that can offer all of the capabilities needed for project development and execution, along with an unmatched understanding of and experience with power equipment. Our efforts and track record have resulted in ABB being named one of the safest companies as recognized by EHS (Environmental Health and Safety) Today Magazine in 2012.

### Products designed for safety

ABB strongly believes in hazardous exposure prevention and has engineered many products and system solutions to lower risks in the power industry, including:

- Arc-resistant switchgear
- Pressure relief devices on all High Voltage (HV) and GIS designs
- ASME pressure ratings for all HV breaker gas filled tanks
- SF<sub>6</sub> leak mitigation efforts built into our products
- Alternative transformer fluids and rupture resistant designs
- Polymer housed surge arresters, bushings and switchgear
- Polysil and polymer cutouts
- Robust power transformer designs with failure rates below industry averages

### Sustainability, health and safety focus at ABB facilities

ABB is a world leader in sustainability reducing carbon emissions, while contributing to global development and GDP growth. From 2009 to 2011, ABB reduced company-wide energy consumption per employee by 5.5 percent. ABB is also among the few to adopt Environmental Product Declarations (EPDs). An EDP is a safety and sustainability report for a product that is performed by a third-party. It details the product's environmental impact throughout its entire life. Over 80 percent of our products now display EPDs.

ABB's North American Power Divisions have a track record of Lost Time Incidents and OSHA Recordables that are better than industry average levels and have been declining over the past several years. We extensively use engineering controls and Personal Protective Equipment (PPE) throughout our manufacturing sites and in our field service activities. OHSAS 18001 (health and safety) and ISO 14001 (environmental) registrations are required for all of our facilities. At least one of our facilities has achieved Voluntary Protection Program (VPP) Star status as determined by OSHA.

ABB Power Products - Manufacturing Lost Time Incident Rate

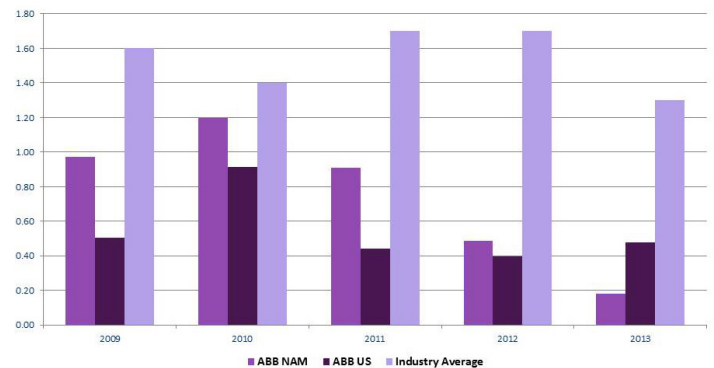
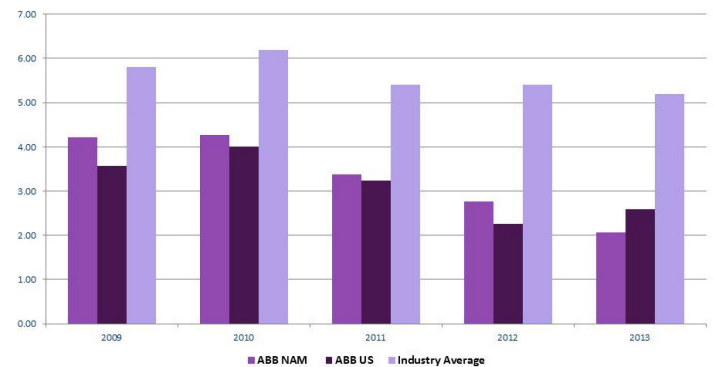


ABB Power Products - Manufacturing Total Incident Rate



# Safety, reliability and sustainability

## Lower service and project risks

Using ABB for the execution of a substation, grid systems or generation projects ensures safety, health and environmental impacts are diligently managed, which also reduces the likelihood of injuries to workers and damage to the environment. As an OEM supplier, we conduct a thorough risk assessment and develop a site specific plan for each project. Each site construction is kicked off with the implementation of the site specific plan, and thereafter effectively monitored by the site manager and designated HSE professional. This ensures that ABB's commitment to deliver safely, on-time and on-budget, is a reality each time we undertake a project. ABB's business principle is "Zero Harm, Zero Impact" when it comes to health, safety and the environment.

ABB Power Products - Field Service Lost Time Incident Rate

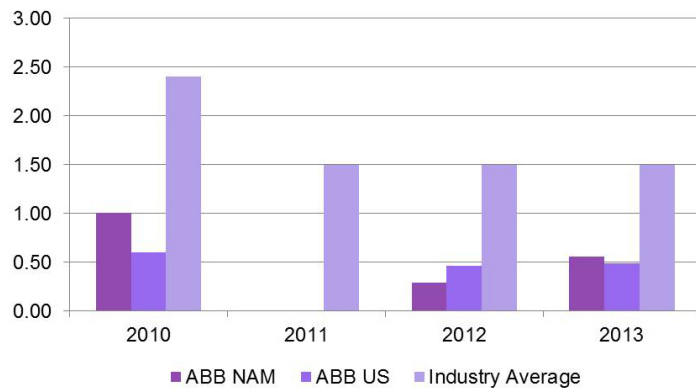
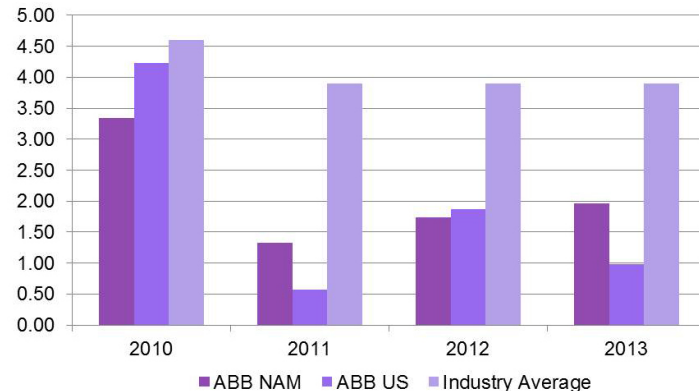


ABB Power Products - Field Service Total Incident Rate



## Summary

Companies in the power industry understand the criticality of health, safety and the environment. Providing service to customers in a safe and efficient manner is a key objective of every utility executive. ABB is one of a few companies that can offer all the capabilities needed for project development and execution, along with an unmatched knowledge and experience with state-of-the art equipment and advanced technical expertise, while maintaining a safe working environment. ABB has a proven safety record that far exceeds the industry average. Here are a few facts highlighting our dedication to safety:

- ABB Inc. was named one of the eight "Safest Companies in America" by the EHS Today Magazine in 2012.
- The ABB facility in Bland, Virginia is an OSHA VPP Star site since 2011.
- ABB field employees operate under the HSE Field Operation Instructions that are used across all of ABB.
- Thorough training is provided to all ABB employees and contractors.
- All manufacturing locations conform to OHSAS 18001 and ISO 14001, and most are third-party certified.
- Engineering controls are used extensively.
- All PPE meets regulatory requirements.
- Overall safety culture rating of 4.04 indicates the attainment of a consistently strong, positive and world class safety culture according to analysis conducted by Culture Change Consultant, Inc.

**Partnering with ABB will help you minimize risk, reduce project costs and optimize project execution schedules.**

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