



*The EP System provides positive results to the automated and biological aspects of the Dairy Industry.*



Ninety percent - 90% - of power quality issues are caused by the operation of your own equipment.

The advantage of the EP Power Performance System is its unique ability to absorb the harmful transient surges and high frequency noise rather than returning these damaging anomalies back into the ground or connected electrical system.

**EP Products Specified:**

- EP-2000 Field Protection
- EP-2500 Switchgear Protection
- EP-2700 High Frequency Filtration
- EP-2750 Ground Filtration



## ABEL DAIRY, Wisconsin

### The Situation:

Abel Dairy is one of the most prolific dairy farming operations in Central Wisconsin. **The dairy struggled with manufacturing equipment board failure and random memory loss in the automated milking parlor equipment.** The loss of equipment availability led to retarded production from a manual backup process. The operation has long been the model of efficiency and cow care, but the itemized list of critical business issues related to the herd were as follows:

- Low pregnancy rates
- High cull rates
- Low milk quality indicators (high somatic cell count)
- Low water intakes across the herd
- Passive eating
- Increased healthcare costs
- Hoof sores
- Low milk production
- Unexplained mastitis
- Undesired level of cow contentment

### The EP Solution:

**The dairy installed a combination of EP-2500, EP-2000, EP-2750, EP-2000A-2, and EP-2700 products across the electrical system** for main gate protection from external events, and to protect the automation equipment from untimely failure as this operation milks three times a day on a 24 X 7 schedule.

### The Result:

The dairy immediately benefited from the equipment protection and anticipated asset availability. What they also discovered was a **remarkable reaction to the removal of high frequency resonance in the system by the herd.** Overall level of comfort and contentment of the animals translated into increased milk production, higher quality milk (butter fat content), faster recovery by sick cattle, overall herd health improvement and lowered healthcare costs, greater food and water intake, fewer instances of twisted stomachs, greater translation of nutrition to production vs. waste, higher pregnancy rates, and reduction in cull rates. These successes have led to the installation of the EP product line on an additional 50-plus dairies over the past year.