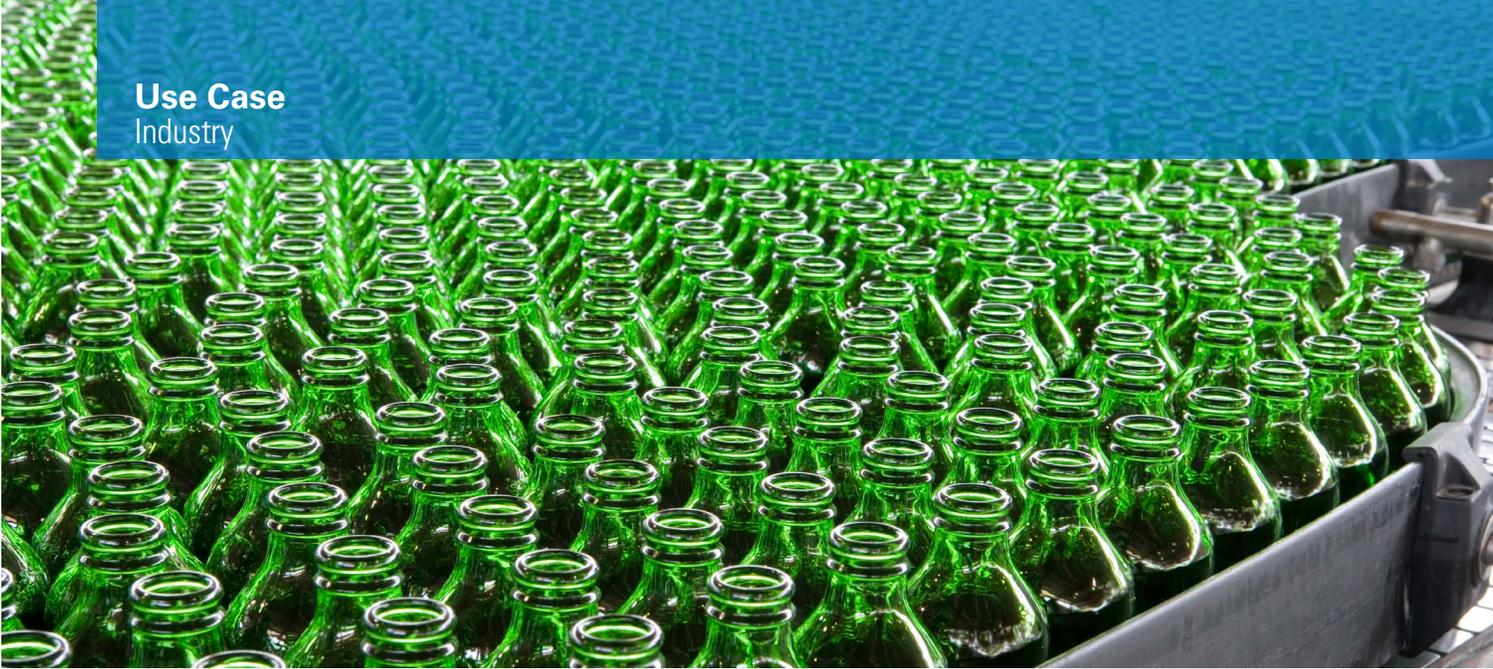


## Use Case Industry



# Keeping Industry Moving with Eaton



A power loss, even for milliseconds, can cause hours of downtime with the potential to cost a manufacturing facility millions of dollars in lost productivity and scrapped work-in-process inventory, a reality that many facility owners and operators face. To protect an industrial facility from common power quality problems and blackouts for even the shortest period of time, Eaton has developed the [XLM-62](#) supercapacitor module. This is an ideal, reliable solution for applications in manufacturing and infrastructure projects, as well as for applications where traditional battery backed solutions cannot be used, are expensive or unreliable.

During a brownout, power spike or blackout – when the main electrical power is lost or unstable – the XLM-62 module is able to react instantaneously. This immediate backup is critical to prevent equipment from stopping and to protect irreplaceable data – allowing the system to ride through power quality problems and protect

operations until the utility power returns or a longer-term backup solution, such as a generator or fuel-cell, can be brought on line.

A short runtime backup power solution has traditionally meant high-maintenance batteries, or a less efficient mechanical flywheel with the potential to need additional floorspace to meet the power needs of the application. The XLM-62 supercapacitor module offers an energy storage solution that is highly reliable, economical and maintenance free. With up to a 20 year lifetime and operating ambient temperatures from -40 °C to +85 °C, the XLM-62 can be installed in virtually all indoor or outdoor locations and in just about any climate. The resulting lower infrastructure and operating costs, and greater scalability of the supercapacitor module, manufacturers receive an excellent return on investment. Eaton's supercapacitors use environmentally friendly materials and are Reduction of Hazardous Substance Directive (RoHS) compliant.

### Powering the brewery

A large global brewery recognized these benefits and installed two 250 kW voltage sag ride through protectors at one of their new bottling facilities with Eaton's XLM-62 supercapacitor modules as the backup energy source. The inherent unreliable and unpredictable grid power required high availability backup power due to the frequent power quality issues. Due to the location of this facility, a system with very low ongoing maintenance was highly desirable as well. The capability to operate in wide operating temperatures also influenced the decision to integrate the XLM-62.

Having the right power backup can save a manufacturing facility lost time, sellable inventory and millions of dollars; a fact that that this brewing company has witnessed firsthand. Eaton's XLM-62 supercapacitor modules are the hidden power behind industry.

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