

Power Factor Correction

CUSTOMER PROFILE

The Bean Alliance Roastery

- 2002 - year roastery constructed
- Year-round roasting operations
- 60 staff in the Melbourne roastery

CHALLENGE

The Bean Alliance, a specialty coffee roaster, faced frequent production disruptions.

Key issues included:

- **Poor power factor** increasing energy costs
- **Voltage drops** caused by a nearby industrial site
- **Voltage events** caused roaster control system to reset
- **Lost \$3,000 in time and materials** each time a batch failed due to voltage event

SOLUTION & RESULTS

Edge Zero's Monitoring Platform uncovered the root cause and enabled resolution:

- **Installed power factor correction** for immediate energy savings
- **Identified external voltage disturbances** with real-time monitoring
- **Provided solution recommendation** and oversaw installation of UPS battery backup
- **Stabilized power supply** eliminated production losses

AT A GLANCE

Challenges

- Poor Power Factor
- Voltage Drops
- Production Losses
- Key Equipment Disruptions From Voltage Events

Benefits

- Eliminated Power-Related Production Losses
- Corrected Power Factor to Reduce Electricity Costs
- Installation of UPS Battery Backup Solution

Regular losses due to power issues should be addressed head-on.

Small production-heavy businesses like roasteries can't afford disruptions and losses due to power supply. Edge Zero monitors give business owners the visibility and control they need, so problems can be addressed right away, saving time and money.