Food Processing Case Study

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Coldwater Seafood Corporation

Coldwater Seafood Corporation of Cambridge, Maryland, **installed 11 Lucid Load units on the north end of its plant.** When the facility experienced what was believed to be a major voltage sag, **the unprotected south end sustained considerable electrical damage,** including failed transformers, burned-out refrigeration motors, damaged motor-starter coils, and refrigeration system failure. **The protected north end sustained no damage,** even though it typically drew 10 to 20 times more power than the south end.

According to Coldwater, the Lucid Load units protected the motors and transformers, prevented a loss of temperature in freezers containing 5 to 6 million pounds of fish, reduced north-end demand by 40 to 50 kW, and helped avoid an estimated $6 million to $8 million in damage.

$6 TO 8 MILLION

ESTIMATED DAMAGE AVOIDED

The Lucid Load Impact

North End Lucid Load Installed	South End No Lucid Load
No Damage Sustained	2 of 3 Transformers Knocked Out
Motors Protected	Refrigeration Motors Burned Out
Transformers Protected	Motor-Starter Coils Damaged
Freezer Temperature Maintained	Refrigeration Units Failed
5-6 Million Pounds of Fish Protected	Considerable Electrical Damage

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