

## Major Bottling Company Case Study

Major bottling company installs 12-Volt Solar Panel Battery Maintenance Systems and PowerPulse 24-Volt Battery Maintenance Systems to improve fleet performance.

### Challenge:

A major bottling company suffered from severe battery-related problems with its delivery fleet and pallet jacks resulting in increased costs from lost downtime, increased manpower hours spent diagnosing and repairing battery-related problems and battery replacement costs.

Over time as a battery ages or sits unused for extended periods of time, sulfates naturally build up to the point where they create an insulating barrier across the surface of the battery plates. Before long, this build-up will become so dense that a battery is no longer able to accept or release energy. Help was needed to remove these sulfates and maintain batteries in peak condition.



### Results:

Industrial 12-Volt Solar Panel Battery Maintenance Systems were installed on the delivery trucks and 24-Volt PowerPulses were attached to pallet jacks to maintain old batteries that were set to be replaced. The maintenance systems offset the parasitic drain and removed enough sulfation buildup to increase the condition of the batteries. As a result, Cold Cranking Amps (CCA) on all the truck batteries was up, providing an easier start. The pallet jacks usage time was also greatly extended between battery recharging and the clean batteries once again accepted a full charge allowing for a full 8-hour shift usage.