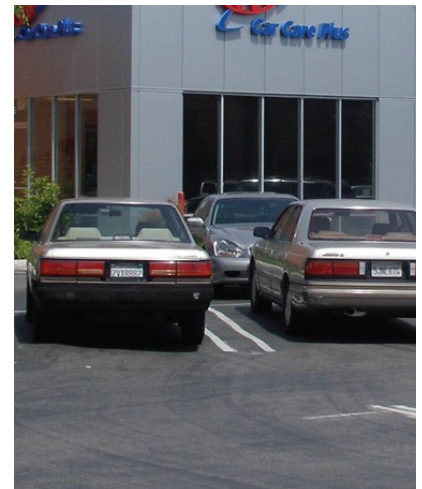


Car Care Chain

Scale: 800+ Locations



Control Demands

Significantly reduce energy costs associated with HVAC use and high-draw appliances across all 800+ locations while providing centralized control.

Added Control Results

Installation of an HAI Lumina Energy Management Controller at the corporate office location provides remote monitoring and control of all HAI ZigBee Wireless devices installed at the branch locations. Energy savings of 25-40% were calculated after a six month trial. Return on investment within one full year.

Application Spotlight

Corporate office can remotely access and control all 800+ branches nationwide. HAI's free Application Programming Interface along with the Software Development Kit were used through HAI's central Lumina controller with an on-board Ethernet port for remote access. The Lumina controller supports the ZigBee® mesh networking protocol. Paired with energy management, commercial lighting control, and the ability to remotely manage and monitor high-draw appliances, HAI's ZigBee® wireless

devices feature both automatic and manual shut-off. Locations have five differing footprints and conducted their own energy audits before the installation of HAI systems. Based on the HAI programming and a six month trial, the client witnessed 25-40% energy savings per branch per month. Capital cost up-front was an easy decision—the return-on-investment was less than a year. Operational cost of the locations for the remaining years were lower giving them a marked advantage over their competitors.

Installed Products

Products	Application
HAI Lumina Energy Management Controller	Central Control of ZigBee Devices
ZigBee® Omnistat2 Thermostat (2-3 quantity)	Energy Management
ZigBee® 30A Load Control Module (12 quantity)	Energy Management