

About Us

Capability
History
Profiles
Vision
Principles

Our Services

Project Management
Engineering
Procurement
Construction
Maintenance
Training

Projects

Oil & Gas
Water
Automotive
Diversity

Abalto

News
Contact Us

A Wealth of experience in Automotive Control Systems

Abalto have successfully completed many automotive projects primarily involving control systems, as follows:

KIA MOTORS SAIPA – Tehran, Iran

Software design for paint spray machines. Including development and commissioning of clear-coat and basecoat spraying systems. All controlled by a Siemens PLC interfaced to two CITECT SCADA systems.

AUTO EUROPA – Palmella, Portugal

Software design for paint spray machines. Including development and commissioning of clear-coat and basecoat spraying systems, for side and under-body spray zones. Included in the package were the paint mix systems. All controlled by 6 Allen Bradley PLCs interfaced to an ECO intouch SCADA system.

NISSAN – Washington, USA

Software modification and commissioning of a reciprocator station controlled by a Mitsubishi A3A PLC interfaced to Fix Intellution SCADA.

HONDA – Swindon, UK

Control system design, software and commissioning of pre-treatment and electro-coat system. Controlled by a Modicon PLC interfaced to a Factory Link SCADA system.

IVECO TRUCK – Langley, UK

Control system design, software and commissioning of pre-treatment and electro-coat system. Controlled by a Modicon PLC interfaced to an AFE IC2X graphics system.

TOYOTA – Burnaston, UK

Control system design, software and commissioning of burners and fans. System controlled by an Allen Bradley PLC. Software modifications and commissioning of pumps to supply a shower test booth. System controlled by an Allen Bradley PLC.

FORD – Genk, Belgium

Software design, development and commissioning of air handling units and water circulation pumps, for a lacquer booth. System controlled by a Modicon PLC.

ROVER – Cowley, UK

Software design, development and commissioning of burners and fans, for a wax application booth. System controlled by a Modicon PLC.

Control system design, software design, development and commissioning of under-body profile wax spraying equipment. System controlled by a Modicon PLC.

ROVER – Longbridge, UK

Software development and commissioning of an engine delivery and mounting system. System controlled by an Allen Bradley PLC.

FORD – Halewood, UK

Software modification and commissioning of a monorail engine delivery and mounting system, including lifts and drop sections. System controlled by a Square D PLC.

JAGUAR – Castle Bromwich, UK

Control system design, software design, development and commissioning of 8 automated guided vehicles. System controlled by a Modicon PLC.

Control system design, software design, development and commissioning of pumping systems. System controlled by a Modicon PLC.

CATERPILLAR – Middlesbrough, UK

Software design, development and commissioning of a system to control hardening and tempering furnaces, using an Allen Bradley PLC.

DAEWOO – Seoul, South Korea

Control system design, software design, development and commissioning of a furnace system. Danfoss inverters were used for variable conveyor and fan speeds. A Wizcom SCADA system was used as an operator interface.

AVDEL SYSTEMS – Warrington, UK

Control system design, software design, development and commissioning of a mesh belt conveyor furnace and an exothermic atmospheric generator. Eurotherm 904 PID controllers were used for temperature control and a Eurotherm PLC PC3000 was used to control the load and unload systems.

LAND ROVER – Solihull, UK

Control system design, software design, development and commissioning of a carburising furnace. Mechanisms were controlled by an Allen Bradley PLC and heating controlled by Eurotherm temperature controllers. The operator interface was a Wizcon graphics system.

FORD – Charleville, France

Control system design, software design, development and commissioning of a brazing process furnace. System controlled by an Allen Bradley PLC and PC3000, managing the Eurotherm 818 PID controllers, with interfaces to a Wizcon graphics system.

FORD – Basildon, UK

Control system design, software design, development and commissioning of a 13-zone furnace and washing machine. System controlled by an Allen Bradley PLC and inverters, with interfaces to Control View, Panel View and a factory management system.

CLUTCH INDUSTRIES – Tehran, Iran

Control system design, software design, development and commissioning of a carburising furnace. System controlled by an Allen Bradley PLC with interface to Control View.

WARMETAUSCHER – Burndorf, Austria

Control system design, software design, development and commissioning of a brazing furnace and dryer. System controlled by a Honeywell 9000 with interface to Intellution Fix SCADA system.

ALTERIAK – Cairo, Egypt

Software design, development and commissioning of a brazing furnace. System controlled by an Allen Bradley PLC.

LUCAS NIROTEC – Birmingham, UK

Software design, development and commissioning of a batch furnace and oil quench. System controlled by an Allen Bradley PLC.

ROVER – Longbridge, UK

Software design, development and commissioning of burners. System controlled by a Modicon PLC interfaced to a Factory Link SCADA system.