

SCADA Solutions

Introduction

SCADA is a category of software application program for process control. It involves the gathering of data in real time from local or remote locations - typically PLC's (Programmable Logic Computers) - in order to control equipment and conditions. Atkins has provided SCADA solutions for over 15 years to a large range of clients and industries.

Outputs we deliver

Atkins delivers SCADA systems that are scaleable and vary in size to suit our clients' needs. Atkins can provide consultancy and design all the way through to successful commissioning and support using the latest techniques and software available.

Our approach

Each individual client is different and one of the key elements to our success is providing flexibility in the solutions we design and supply. We understand that our customers' requirements change and are increasingly demanding, so we ensure our solutions have the flexibility to meet those demands whilst keeping overheads down.

Atkins keeps abreast of technology developments and enhancements and we are able to incorporate those changes into the solutions we design and supply.

In the water industry Atkins recently replaced an obsolete landline SCADA system with broadband communications as the system backbone. Broadband provides the system with a permanent 'always on' connection to each site, enabling the client to view the live status of multiple pumping stations.

Outcomes in the airport industry

In the airport industry Atkins has played a key role in the development of SCADA solutions for baggage handling systems since 1992. Atkins was instrumental in pioneering the first baggage handling control and monitoring system to be based entirely on personal computers (PCs). This system was installed in Heathrow Terminal 1.

This innovation led to a significant reduction in both the capital and ownership cost of the system. Since then, Atkins has been continuously developing, improving and enhancing to deliver greater value for less overall cost.

Since the success of this first system, Atkins has installed SCADA systems into Heathrow Terminal 4 (both main hall and transfer hall), Gatwick North Terminal, Gatwick South Terminal Arrivals, Edinburgh, Aberdeen, Glasgow and Stansted airports.

Atkins has also provided SCADA systems that are used to monitor and/or to control various processes or plants within industries such as:

- manufacturing
- transportation
- food and beverage
- water treatment
- gas and oil
- power
- chemical