AUTOMATION AND NETWORK
CAPABILITY STATEMENT

automation¹⁰¹

Company Overview

Providing world class solutions to Process Control and Network Systems
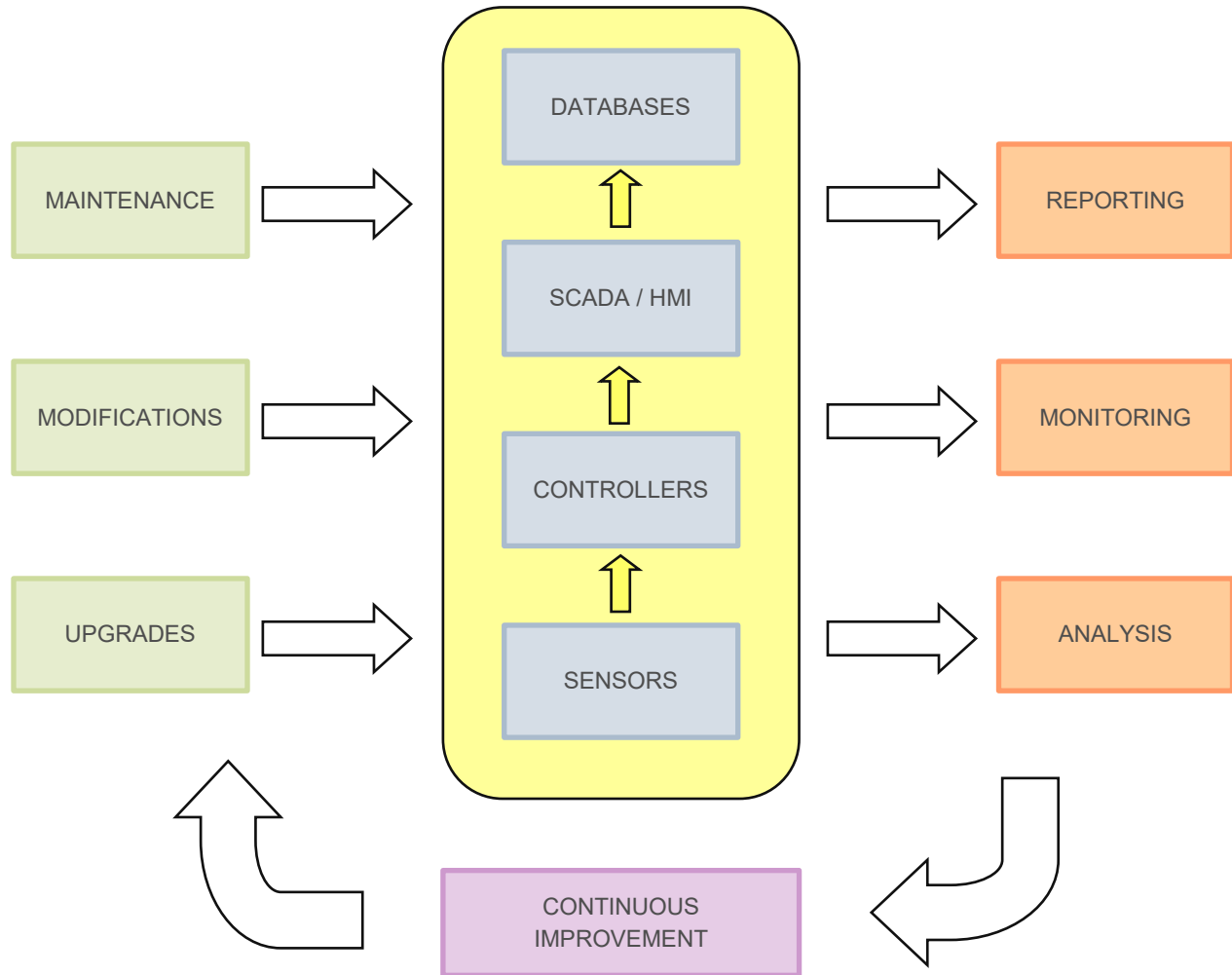
The Automation101 team has experience in delivering, maintaining and fault finding control and network systems across a wide range of industries.

We have an experienced team with years of practical on site experience. Our core strengths are in engineering, project management, service and onsite/remote support.

We work together with our customers and leading control system hardware and software manufacturers, so that our customers can be confident that they are receiving the best possible solution that will fully integrate into their existing site control systems.

Having the flexibility to work anywhere around Australia, the Automation101 team can provide the coverage for your automation and network systems, whether they are located in the city or in remote regions.

When you choose Automation101 for your networking and automation solutions, you are selecting a company with proven commitment, reliability and quality service.

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Ensuring practical solutions to all sectors of the mining industry

Mining Industry Capability

♦ Experienced with control systems in all areas of the mining industry including:

- Underground operations
- Open cut operations
- Preparation plants

♦ Critical infrastructure support:

- Control room and local SCADA systems
- Overland and underground conveyors
- Gas monitoring systems
- Water transfer around sites
- Site data networks

♦ Monitoring:

- Equipment status
- Site communications
- Network availability and downtime

♦ Reporting:

- KPIs
- System availability
- Machinery usage
- Productivity
- Environmental emissions

WATER

Implementing reliable, cost effective water treatment control systems

Water Industry Capability

♦ Experienced with control systems in all areas of the water industry including:

- Water and wastewater treatment plants
- Water transfer, storage and pump stations
- Control room SCADA systems
- Site data networks

♦ Monitoring:

- Plant equipment status
- Site communications
- Network availability and downtime

♦ Reporting:

- KPIs
- Plant and equipment availability
- Environmental emissions
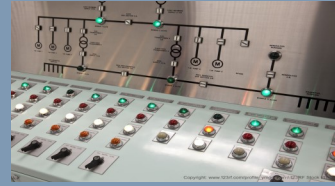
SCADA System Capability

Our engineers have a broad range of experience with SCADA and PLC systems across many industries. They are well trained and experienced in:

- ♦ PLC hardware and programming software from suppliers including:
    - Rockwell, Schneider, GE, Omron and Siemens
- ♦ Major SCADA / HMI software including:
    - Rockwell FactoryTalk View (for Panelviews and traditional SCADA)
    - CitectSCADA
    - ClearSCADA
    - Vijeo Designer
- ♦ Designing and implementing new SCADA/HMI systems

- ♦ Auditing and proposing improvements to your current system
- ♦ Setting up and servicing all processes in your system, including:
    - Server and client configurations
    - Tag, trend and alarm database configurations
    - Screen page and animations
    - Reports and logging
    - Emails, SMS messaging, custom interface code

Network Capability

At Automation101, our engineers are experienced in configuring and setting up a range of network systems, such as:

- ♦ Major industrial network hardware including Cisco, Rugged Coms, Moxa, Hirschmann and Allen Bradley
- ♦ Router and switch configurations, including gateways, VLAN setups and IP registers
- ♦ Network monitoring and analysis programs

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