

Welcome to the team: Andrew Giles.

Joined OptimumFX in January 2007

Andrew has been working as a controls engineer for the past six years, responsible for developing control system solutions from concept design through to installation. Through practical training he has gained an extensive knowledge of numerous control solutions incorporating PLC/PC hardware, robotics, motion control, vision and networking/bus systems. He generated PLC, HMI and robot programs for a wide variety of machine types such as high speed indexers, robot cells as well as conveyor and cam controlled systems.

Working as a team leader on large scale projects, Andrew was responsible for the management of timescales/resources and liaising with customer personnel at various levels to ensure that all requirements are met and client driven changes are taken into account throughout the design and development phases.

As a controls engineer he also gained extensive knowledge of fault finding and electrical testing within the automation/manufacturing sectors.

Andrew also has some industrial experience in mechanical design, which helps in understanding the abilities/limitations of equipment and has often helped him tailor software to maximise machine output and efficiency.

Competencies include:

PLC	Siemens Step 5 & 7, Allen Bradley, Mitsubishi, Omron, Fanuc, B&R
HMI	Siemens, Allen Bradley, NAIS, Red Lion, Matsushita, Hako,
Mitsubishi	
Robots	KUKA, ABB, Adept, Fanuc
Motion/Drives	Lenze, Siemens, B&R, Giddings & Lewis, Panasonic
Scada	Fanuc Cimplicity, Simatic WinCC
Netwk/Bus	Ethernet, Profibus, CANBus, DeviceNet