

Fast Automation

Food and Beverage Brochure



www.fast-automation.com

PARTNERING



Fast Automation views every project as a collaborative partnership and takes long term, active measures, to ensure the best possible outcome of *our* project through the entire lifecycle.



Partnering example:

In 2001 AstraZeneca engaged Fast Automation to automate a manual batching process. AstraZeneca has been a customer ever since.

In financial year 2018 Fast Automation completed over \$2.4m worth of automation work across 28 work packages.

Astra Zeneca's North Ryde facility is viewed as the best in the world for Respules production (Automated by Fast Automation).



Food and Bev Project Consulting:

- Design and Documentation
- Procurement
- Contracts Administration
- Construction Management
- Acceptance Testing and Audits
- Transparent Reporting

Past Project Types:

Oven Controls, Batching and Mixing, Packaging, Materials Handling, Foreign Object Detection, Check Weighing, Product Inspection, Vision Systems, OEEE systems, Downtime Monitoring, Burner Controls, Energy Saving Systems, Power Monitoring, Automated Reporting Systems, IT Systems Monitoring, Campaign Management, ERP/MES Integration, Labelling and Coding Systems, Dryers, Fryers, Waste and Water Treatment, Process Control, Thermal Monitoring, Refrigeration Controls, Access and Door Systems, Docking and Unloading systems, Palletisers, Pallet Dispensors, Power redundancy systems, Automation auditing, Remote support systems, Wrapping units, Environmental control and monitoring. ..and others

DESIGN AND DELIVERY



F&B Technology Expertise:

- System Design
- Requirements Development
- Project Methodology
- Design Reviews
- Controls System Development
- Simulation Systems
- Performance Monitoring
- Commissioning
- Testing and Evaluation
- GMP, TGA, FDA, MEDSAFE conversant

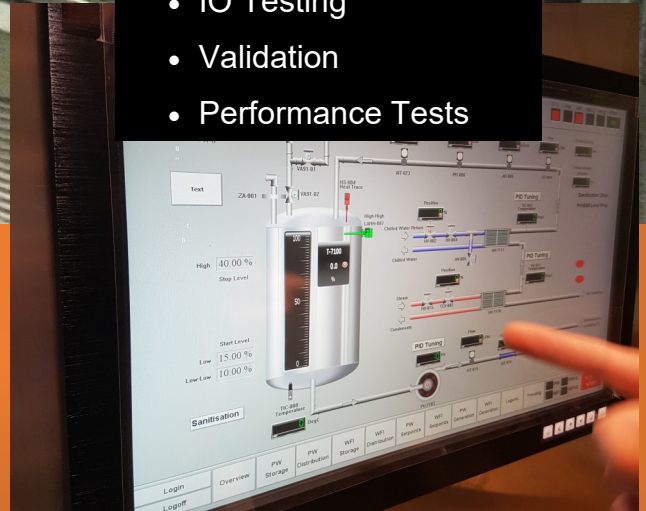
Complete Pre-testing:

- Emulation
- Simulation
- FAT \ SAT



Commissioning

- IO Testing
- Validation
- Performance Tests



MACHINE SAFETY



Fast Automation has on staff TÜV certified functional safety experts that assess all machine system safety aspects.



Certificate

FS Eng (TÜV Rheinland)

Functional Safety Engineer (TÜV Rheinland)

Safety example:

A major rail company engaged Fast Automation to design a Cat4 fully redundant safety system for lifting and moving trains around for maintenance. The system was a large 100% Safety IO application that was executed successfully.

Sydney International Airport engaged Fast Automation to oversee the Safety Audit of the entire Baggage Handling Automation System. This resulted in many Millions of Dollars worth of improvement projects across 80 large PLC systems.

EXECUTION METHODOLOGY



Fast Automation has developed a set of excellent project execution methodologies. These have been refined and proven over many Food and Beverage projects.



TECHNOLOGY INDEPENDENT EXPERTS



Siemens, Rockwell, Schneider, Omron, Hitachi, Toshiba, GE, Mitsubishi, B&R, TI, Unitronics, Beckoff, Koyo, Keyence, Panasonic, Wonderware, Citect, Intel-lution, Adroit, National Instru-ments, SEW, ABB, Danfoss, Nord, Control Techniques, Zener, Festo, SMC, Burkert, Pro-face, Red Lion, Uticor, ESA, Cermate, Norco, Hitech, Wago, Pilz. ..and many others

Integrated technology solutions, outlined at the proposal stage:

Fast Automation



Fast Automation



Fast Automation

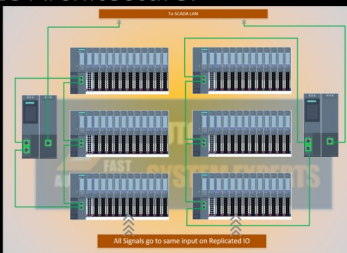


ENVIRONMENTAL MONITORING SYSTEM PROPOSAL JUNE 2017

ASTRAZENECA ENVIRONMENTAL MONITORING SYSTEM PROPOSAL JUNE 2017

ASTRAZENECA ENVIRONMENTAL MONITORING SYSTEM PROPOSAL JUNE 2017

PLC Architecture:

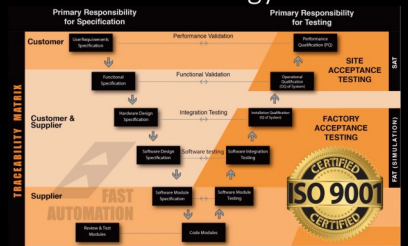


Remote IO Choice: ET200SP



- Supports MRP (Media Redundancy Protocol)
- Hot swappable (Not like ET200M or S7-1500 IO)
- Extensive Diagnostics
- High Density
- Highly Configurable
- Very Cost Effective

Methodology:



WHAT OUR CLIENTS THINK



"Thanks for all your efforts – you have helped achieve a top class job and made an excellent contribution to our projects. I hope we might work together again. Well done."

Mark Donohoo AP Director / ISPE

"A great automation company, for 18 years always keeping us happy with on time work. Especially when there are problems they rise to the challenge and solve problems (even when they are ours) with no delay and few questions at AstraZeneca pharmaceuticals."

Henry Graulund / Senior Project Manager / Astrazeneca

"..Fast Automation performed, (during their contract) with the highest competency and all parties were highly conscientious and hardworking. During this period they ensured that every deadline was achieved."

Bill Mason / Senior Project Manager / Sydney Airport Corporation

"I only wish that all our sub-contractors were half as good as you. I can't imagine finding better."

Luis Martinez / Senior Project Engineer / S2F

"The work was done efficiently on time and on Budget. We were very pleased with their level of professionalism and attention to planning that brought the project to a successful conclusion. I have no hesitation in recommending them."

Harry Michaels / Director / Cello Paper

"..a BIG thank you for all your help..It has been a pleasure working with all of you..I value the effort and above all, patience you have shown over the past year. We are so impressed with the system that Fast Automation has designed and grateful for the support and expertise you have provided...Our pilot plant would not be the same without Fast Automation's impact!"

Kristin Nagy / Project Manager / Ceramisphere & Astrazeneca

"Siemens have used Fast Automation extensively for a number of valuable assignments across the years and will continue to do so. We have found their service and expertise to be of a very high standard and do not hesitate in recommending them to others"

Patrick Keogh / General Manager / Siemens AL

"Fast Automation were at all times very professional and always managed to apply technical excellence. Their insistence on a full systems approach and consistent methodology was very effective, while their expertise across the control spectrum provided considerable benefit. I have no hesitation recommending Fast Automation to anyone requiring assistance with Controls, Communication of Data Management and look forward to working with them into the future."

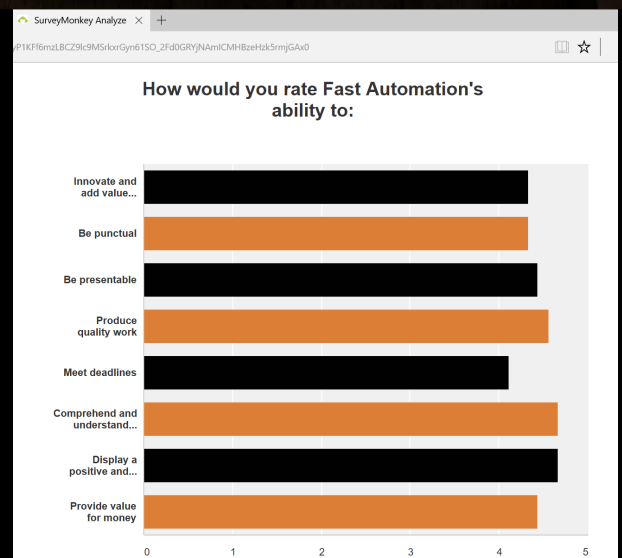
David Ward / Project Director / AAO (CSIRO)

"The working relationship between Siemens and Fast Automation over the project execution period was good and they were flexible and responsive to our requirements. Fast Automation continues to provide assistance to our group."

Anver Cassim / Senior Project Manager / Siemens AL

Fast Automation recently invited 82 of our clients to undertake a feedback survey. The survey asked clients to rate our performance on a range of attributes. To the right is a screenshot which is a graphical representation of the raw results from the survey engine. Generally, results are outstanding but do leave some room for improvement.

We will soon be undertaking another survey and again pledge to hold ourselves accountable and publish the raw results in our Newsletter.



YOUR AUTOMATION PARTNER



Experienced:

Incorporated in 1998 with over 800 projects

Recognised:

ISO 9001 Certified, GAMP, TUV Safety Certified. CPE Engineers.

Specialists:

Active on multiple and many projects since 2001, across a long list of clients.



PROJECT MANAGEMENT
AND CONSULTING



AUTOMATION SYSTEMS
DOCUMENTATION



PLC & SCADA
PROGRAMMING



CUSTOM SOFTWARE
DEVELOPMENT



CONTROL PANEL DESIGN
AND MANUFACTURE



INDUSTRIAL ELECTRICAL
INSTALLATIONS



SIMULATION TESTING



COMMISSIONING

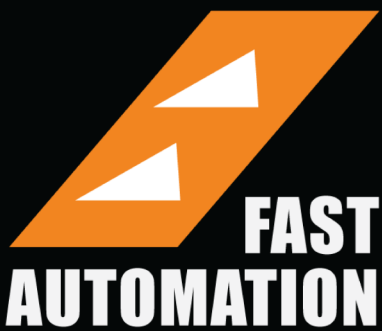


AUTOMATION SUPPORT
AND MAINTENANCE



REPORTING AND MES
SYSTEMS

THANK YOU



FOOD & BEVERAGE
SYSTEM EXPERTS