

## Advanced Process Control (APC) Engineer

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Company: Rockwell Automation

Location: Belgium

Category: other-general

Rockwell Automation is a global technology leader focused on helping the world's manufacturers be more productive, sustainable, and agile. With more than 28,000 employees who make the world better every day, we know we have something special. Behind our customers - amazing companies that help feed the world, provide life-saving medicine on a global scale, and focus on clean water and green mobility - our people are energized problem solvers that take pride in how the work we do changes the world for the better. We welcome all makers, forward thinkers, and problem solvers who are looking for a place to do their best work. And if that's you we would love to have you join us!

### Job Description

Rockwell Automation - Kalypso is hiring!

**We are looking for an Advanced Process Control (APC) Engineer to join us! Fresh graduates are welcome to apply :)**

### Business Area:

For over 25 years our team has used our software products and engineering procedures to create advanced analytics and model predictive control applications for customers worldwide. Our applications integrate with existing manufacturing systems to drive improvements in product quality, production capacity and energy usage. Our business is not dependent upon any one industry and our staff receives broad exposure to customers and processes in varied manufacturing environments. Currently we have significant business in food, polymers, biofuels, refining and minerals processing with many exciting developments to expand.

## **The Role:**

As an Advanced Process Control Engineer you will be at the heart of custom application delivery teams that use Rockwell Automation's advanced analytics and model predictive control products to create online applications to improve our customer's manufacturing processes. You will assess the customer's process, develop mathematical models that can be used to predict system behavior and configure online applications that use this knowledge to calculate process setpoints to dynamically control product quality, production capacity and energy usage. As part of our delivery team you will be responsible for the full technical implementation of the projects assigned to you from preliminary design through the completion of commissioning and customer acceptance. You will cover all aspects of the technical implementation including supporting hardware installation and system integration.

## **Responsibilities:**

### **Delivery**

Perform technical project activities (design, system integration and installation, data analysis and modeling, application development, site installation, commissioning etc.) as assigned by the RTM (Regional Technical Manager).

Identification to RTM of technical issues that impact project performance (scope creep, delays, requested change orders, etc.)

Provide RTM with project information related to cost performance against plan, any performance guarantee status, etc.

Support the RTM's documentation of best practices for use in the development of applications.

Lead advanced analytics projects and provide mentoring to less experienced engineers

### **Support**

Provide product, engineering, and application support to support existing customers

Perform periodical system and application health checks, performance analyses and develop reports to document findings and recommendations

Follow up on recommendations to sustain and maximize the value our applications deliver to

our customers

## **Sales**

Support Solution Consultant (a.k.a. Sales Engineer) market development activities as requested by RDM (Regional Delivery Manager.)

Participate in sales closure activities as requested by RDM.

## **Management**

Request/undertake professional development as required to remain billable/cost effective.

Support the project staffing process to maximize overall delivery department margin.

## **Example Metrics**

Meet or exceed customer expectations as measured by customer satisfaction indices  
Project delivery on time, within budget and per contract scope  
Maintain or improve project or contract margin  
Maintain PQSW (Project, Quote, Sales, Warranty) utilization at or above target  
Maintain or achieve relevant industry certifications

## **Required Qualifications:**

Bachelors or equivalent degree in chemical engineering or other engineering with heavy modeling, statistics, or process control focus

Strong interest in automation, process control and advanced model-predictive applications

Self-motivated with excellent interpersonal, communication and organizational skills

Experience in leading complex projects in a process industry

Experience with instrumentation, industrial control systems and supervisory control applications

Experience with advanced process control implementation or business case development

Familiarity with DCS (SCADA, HMI, etc.) and/or PLC configuration

Must be willing and able to travel up to 50% of the time, typically 1 or 2 week trips. Occasional international projects are likely.

Must be willing and able to comply with customer safety & health requirements including submitting to and passing drug tests, safety training, etc.

## Desired Qualifications:

3+ years of experience of implementing advanced control solutions in a process manufacturing environment

Experience in leading complex projects

A degree in chemical engineering or other engineering with heavy modeling, statistics, or process control focus

Experience with industrial computing, networking, OPC and ODBC/SQL data communications

Experience with DCS (SCADA, HMI, etc.) and/or PLC configuration, especially in the context of integration with external applications

Experience with Rockwell Automation or competitive model predictive control products

Experience with Rockwell Automation or competitive predictive emissions monitoring systems

For further information on our products and services, see:

#LI-RG1

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