



RETAIL MASTER CLASS



OCCUPATIONAL CERTIFICATE:
CHEMICAL PLANT
CONTROLLER

111359



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www.zoneups.com



405 Cliff Ave, Waterkloofridge, Pretoria



BOOK NOW



2 Day Course



Classroom & Online Training



Certificate of Attendance

ABOUT THIS COURSE

This course prepares learners to operate as Chemical Plant Controllers by developing the knowledge and practical skills needed to control and monitor the safe operation of a chemical process plant according to production specifications.

Learners will gain an understanding of chemical plant production processes, process control, management principles, emergency procedures, production targets, plant technology, quality control, and optimisation techniques.

The programme combines theory, practical skills, and workplace experience to ensure learners are able to work safely and effectively in a chemical plant environment



Target Audience

- Chemical Plant Controllers
- Process Plant Operators
- Plant Operators
- Production Operators
- Shift Controllers
- Supervisors
- Manufacturing Employees
- Quality Control Staff
- Support Staff

PRICE

ONLINE TRAINING : Request a Quote

CLASSROOM: Request a Quote

(Includes snacks and beverages – only applicable to classroom bookings)

DAY TWO

OVERVIEW

SMART ZONE

Chemical Plant Production Processes

- Learners are introduced to chemical plant production processes and how different processes are integrated within the plant. This includes control strategies, process loops, instrument control loops, alarms, interlocks, operating trends, and decision-making related to production output.

Process Diagrams and Plant Operations

- Learners gain an understanding of process flow diagrams, plant components, equipment used in production, and the relationship between process diagrams and control systems. This section also covers standard operating procedures, work instructions, process variables, reporting channels, and the role of the Plant Controller.

Management Principles in Process Control

- Learners explore communication, leadership, relationship management, and management principles as they apply to process control. This includes shift handover, radio and telephone etiquette, record keeping, report writing, communication protocols, and working with internal and external customers.

Legislation and Compliance

- Learners are introduced to relevant legislation that applies to plant control. This section focuses on safety, health, environmental, labour, product licence, and compliance requirements within the process plant environment.

DAY TWO

OVERVIEW

SMART ZONE

Production Targets and Scheduling

- Learners understand how production schedules, targets, deliverables, inventory control, raw material availability, and non-conforming materials affect process control. This section helps learners understand how to plan and achieve production outcomes while managing risks and constraints.

Technology in Plant Control

- Learners are introduced to the use of computers and information technology in process control. This includes uploading information to a central database, drawing reports, performing calculations, troubleshooting, using process data, and applying software tools to support plant control decisions.

Planning and Executing Plant Operations

- Learners develop practical skills to plan for production, confirm production plans, assess plant conditions, verify resources, communicate with role players, and execute production activities according to standard operating procedures and work instructions.

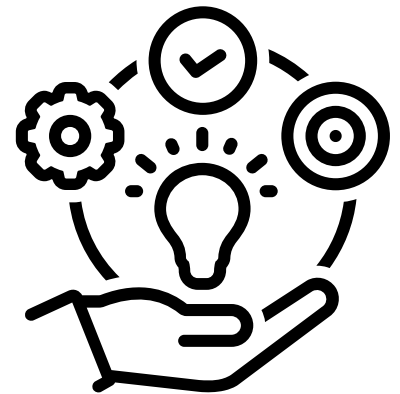
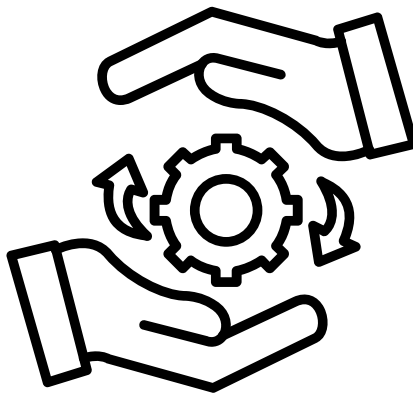
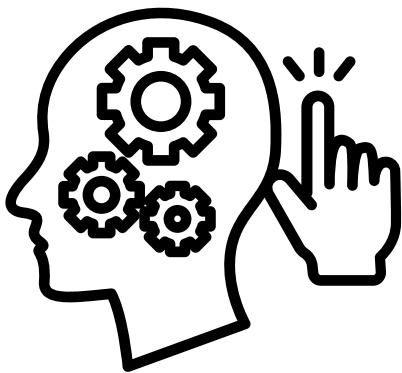
Performing Plant Operations

- Learners focus on establishing pre-startup conditions, starting up the plant, monitoring plant parameters, responding to alarms, troubleshooting deviations, establishing stable operations, shutting down the plant, performing safe-making activities, and contributing to maintenance activities.

FEATURES OF THIS COURSE

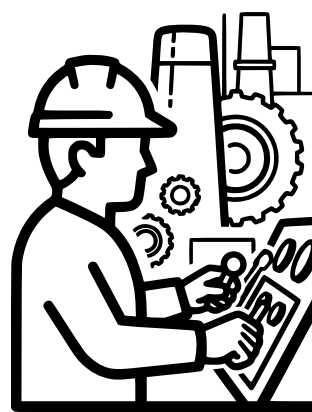
SMART ZONE

- QCTO-aligned occupational curriculum
- Combines theory, practical skills, and workplace experience
- Industry-relevant chemical plant control skills
- Focus on safe plant operation and process control
- Covers production targets, emergency procedures, quality control, and optimisation
- Supports workplace readiness in chemical and process plant environments



BENEFITS OF THIS SHORT COURSE

- Gain practical chemical plant control knowledge and skills
- Understand process control systems, plant variables, and production schedules
- Improve ability to monitor plant operations and respond to deviations
- Learn how to apply quality control and meet product specifications
- Develop confidence in reporting, record keeping, and shift handover
- Enhance career opportunities in chemical, manufacturing, and process plant environments





SIGN UP NOW

SIGN UP NOW AND SECURE YOUR PLACE

1. Register Online- www.zoneups.com
2. Select the training you prefer and the date you would like to attend.
3. Fill in the registration form.
4. Choose your payment method and finalize the booking.

Request a Quotation

Accreditation



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QCTO