



OPERATIONAL  
TECHNOLOGIES

# TRAINING COURSES

Maximise your investment in  
AspenTech Solutions



# VIRTUAL CERTIFIED ASPEN TECHNOLOGIES PUBLIC TRAINING COURSES

## A PROFESSIONAL TRAINING ORGANISATION

To maximise your investment in AspenTech and 4Sight OT Solutions we offer an array of virtual training courses that will increase your understanding of the products you use, by demonstrating real world applications that matter to you and your organisation.

The virtual training offers real-time instructor and student interaction within the comfort and convenience of your own office. The system is easy to use with no software to download and you can participate from any computer and any location.



Real workshop participation



Individual attention



Beneficial one-on-one help



Real-time communication



Flexible interface

## CONTENT



MANUFACTURING EXECUTION SYSTEMS (MES)



ADVANCED PROCESS CONTROL (APC)



ASSET PERFORMANCE MANAGEMENT (APM)



# MANUFACTURING EXECUTION SYSTEMS (MES)

16-20 MAY

## MES101: Aspen InfoPlus.21 Real Time Information Management Foundation

Obtain a thorough understanding of an Aspen InfoPlus.21 system

### LEARNING OUTCOMES:

- Summarise Aspen InfoPlus.21 features and capabilities to effectively monitor critical plant data.
- Implement and configure an Aspen InfoPlus.21 system.

DURATION:  
5 Days

PREREQUISITES:  
None

2-4 MARCH  
22-24 JUNE

## MES121: AspenONE Process Explorer: Process Data Analysis using aspenONE Process Explorer

Learn how to use aspenONE Process Explorer interface to trend process data.

### LEARNING OUTCOMES:

- Summarise features and capability of aspenOne Process Explorer.
- Customise trend plots to suit your application.
- Specify plots based on statistical analysis of process data.

DURATION:  
3 Days

PREREQUISITES:  
None

7-11 MARCH  
6-10 JUNE

## MES201: Aspen SQLplus: Aspen SQLplus for Aspen InfoPlus.21: Using and Configuring for Power Users

Learn how to write and run SQL queries using Aspen InfoPlus.21 data

### LEARNING OUTCOMES:

- Use intermediate to advanced SQL statements to view or manipulate data.
- Integrate real-time or historic data.
- Create customised reports.

DURATION:  
5 Days

PREREQUISITES:  
Attended MES101

29-31 MARCH  
9-11 MAY

## MES1200: Calculations and Data Analysis for Engineers

Learn how to make decisions based on the process data stored using Aspen InfoPlus.21

### LEARNING OUTCOMES:

- Build simple and complex calculations integrated with Aspen InfoPlus.21 without programming.
- Analyses historic data.
- Configure key performance indicator (KPI's) to monitor unit performance and retrieve plant data into Microsoft Excel.

DURATION:  
3 Days

PREREQUISITES:  
Attended MES122



# ADVANCED PROCESS CONTROL (APC)

5-6 MAY

## APC120: AspenDMC plus Controller: Introduction to AspenONE Advanced Process Control Operating and Maintaining Controllers Online

Learn how to model test methods and procedures using DMCplus and DMC3 controller

### LEARNING OUTCOMES:

- Identify characteristics of linear versus nonlinear, dynamic, and empirical models.
- Use DMCplus and DMC3 Mode.
- Use Production Control Web Server (PCWS) to interact with controller.

DURATION:

2 Days

PREREQUISITES:

None

14-16 MARCH  
1-3 JUNE

## APC210: Aspen Watch: Aspen Watch Performance Monitor - Real Time Monitoring and Maintaining Controllers Online

Learn how to use aspenONE Process Explorer interface to trend process data

### LEARNING OUTCOMES:

- Use Aspen Watch support for plant testing.
- Evaluate controller performance using Aspen Watch performance monitoring.

DURATION:

3 Days

PREREQUISITES:

None

24-26 MAY

## APC125: Aspen Process Control Builder: Introduction to Aspen DMC3 Builder-Modeling and Building Controllers for Industrial Processes

Learn how to write and run SQL queries using Aspen InfoPlus.21 data

### LEARNING OUTCOMES:

- Identify characteristics of linear versus nonlinear, dynamic, and empirical models.
- Connect online controller to operate a plant.
- Use DMCplus and DMC3 Model.

5 Days

PREREQUISITES:

Attended MES101



4-6 APRIL  
28-30 JUNE

## APR101: Aspen Mtell: Predict and Prevent Asset Failure using Aspen Mtell

Learn how to stop machines from breaking down and to last longer using Aspen Mtell prewise.

### LEARNING OUTCOMES:

- Perform conditioning and analysis of time-series sensor data.
- Build and deploy advanced condition monitoring strategies.
- Implement Operator Maintenance Advisory capabilities enabling operators to track open work orders.

DURATION:

3 Days

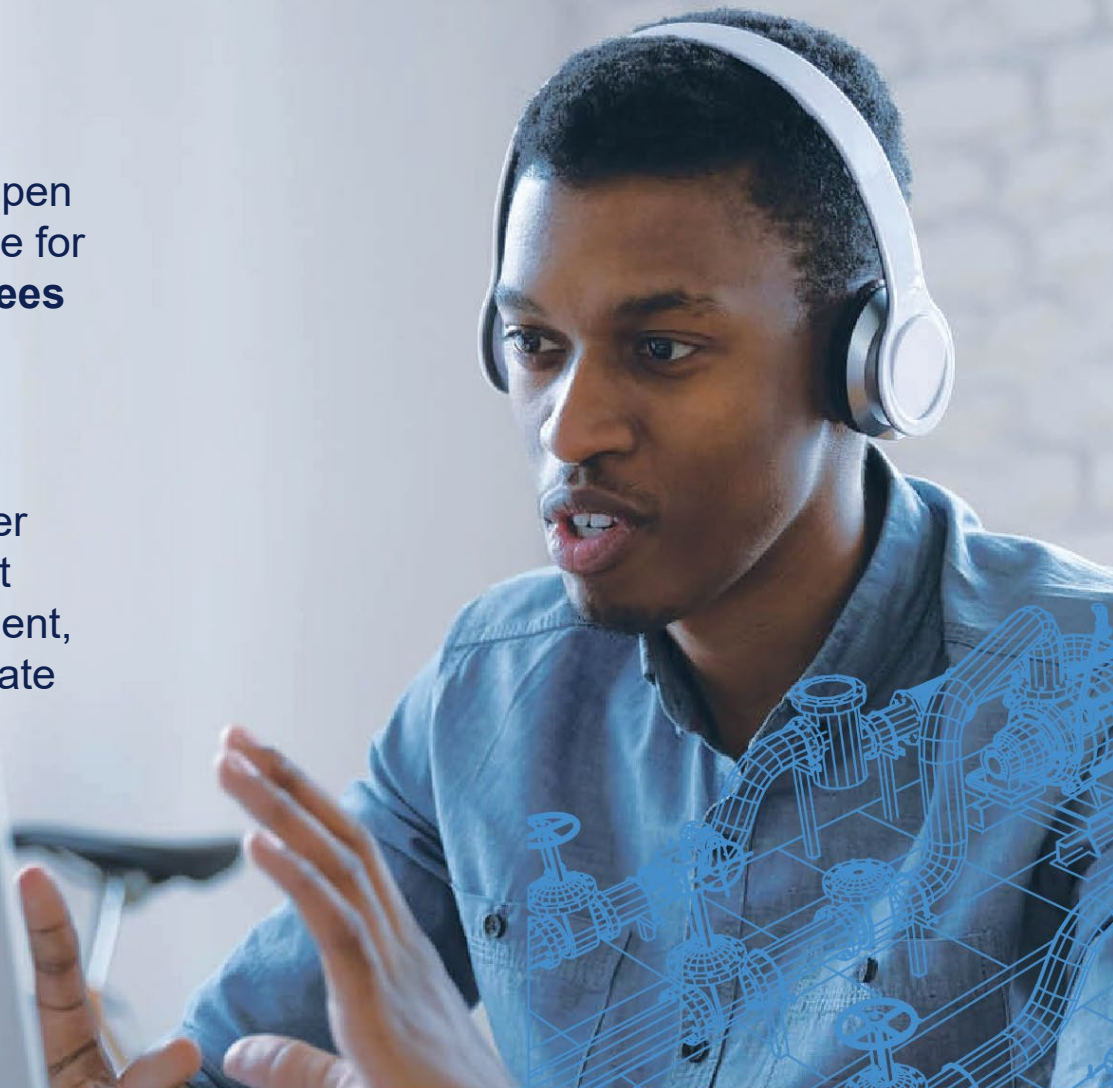
PREREQUISITES:

None

## NOTE

Private Certified Aspen training can be done for **5 or more employees** on a date that suits your business.

We can also give training on any other training courses not listed in this document, please do not hesitate to contact us.



# CONTACT US:

Incorporated in 2017, 4Sight is a JSE AltX (ticker: 4SI) listed, multi-national, diversified technology group. Our purpose is to leverage our extensive product and services portfolio, focused on 4IR technologies, people and data-focused solutions to design, develop, deploy and grow solutions for our partners (customers and vendors).

The company's mission is to empower our partners to future proof their businesses through digital transformation to make better and more informed decisions in the modern digital economy.

4Sight's business model enables its partners to take advantage of products and solutions within its group of companies, which will allow them to enjoy turnkey digital transformation solutions across industry verticals.

## For further information, please contact us:



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