

# WinGEMS

This course provides knowledge and hands-on experience with building a WinGEMS material and energy balance or with the understanding of how to grasp the operation of an existing model.

Participants gain experience in using the various WinGEMS menu functions and tools. The course provides experience in trouble shooting common problems encountered when building a simulation.

## Who needs to attend?

Anyone who uses WinGEMS for plant simulations. Process engineers who wish to identify quick savings or developers who wish to evaluate the impact of mill improvement strategies on multiple areas.

## What you need to know?

An understanding of basic pulp mill unit operations would be recommended.

No prior knowledge of WinGEMS is required, but it is recommended that a user becomes generally familiar with the WinGEMS menu buttons prior to class.

Excel basics.

The user needs to bring a laptop to class with Excel loaded and to have administrator's rights to load WinGEMS licensing if not currently licensed.

# LEARNING OBJECTIVES

Become familiar with the use of tools to improve understanding and documentation of a model.

Make a simple model, starting with components, units, streams and process models, including controls.

Be able to make a compound block, add this to an existing model, import to new models and understand how these are modified.

Be able to read and write data to excel from WinGEMS using either WinGEMS scripts or Excel WinGEMS addin links.

Have an understanding of what is required to convert a static model to a dynamic model.

Classroom Learning

On-site Learning



**Process modules • Controllers & calculations • General file menu options  
Dynamic data exchange • Simulation of various mill processes  
Compound blocks • Dynamics • Hands-on exercises involving Model building**

This 2-day course is presented at the Atlanta, Toronto or Tampere Training Centers or on Site.