

Manual: 3.1. Define your Plant

The plant is the entity that defines your data set. In order to construct a model, the first thing to do is to create a plant object for it.

In order to refer to the plant, you have four text fields available: company, division, plant and equipment. These are just labels so that you can organize several models in one user interface and manage user permissions to see individual models. You can also use the comment field to leave a longer note explaining what this model is about. During a testing or tuning phase, you may wish to construct more than one model in order to be able to compare them. The comment field is useful to keep track of which model was built how.

The custom code is a five-digit number provided to you by algorithmica technologies when you purchased the software licence for this plant. It's purpose is to identify any custom analysis steps that were written for you and included in the analysis software. If you are testing the software, you will not have this code and you may leave this field blank.

The maximum lag time is relevant only for use with the intelligent health monitor (IHM). The selection of independent variables used by IHM may be done automatically and may optionally include a time-delay. This option specifies the maximum time delay in number of time steps for this possibility. See the description of IHM modeling for more details.

The three fields OPC name, OPC DA version and subscription frequency are relevant for the OPC connection to a data source. This is relevant only for using the software in real-time. Please see the how-to section on bringing the system online for more information.

The three time periods that define the start and end of the reference time period and the start of the operational period are concepts used by APO to assess the success of the suggestions. The reference period is the time frame for the data used to build the model and the operational period begins when the suggestions made by APO are actually implemented.