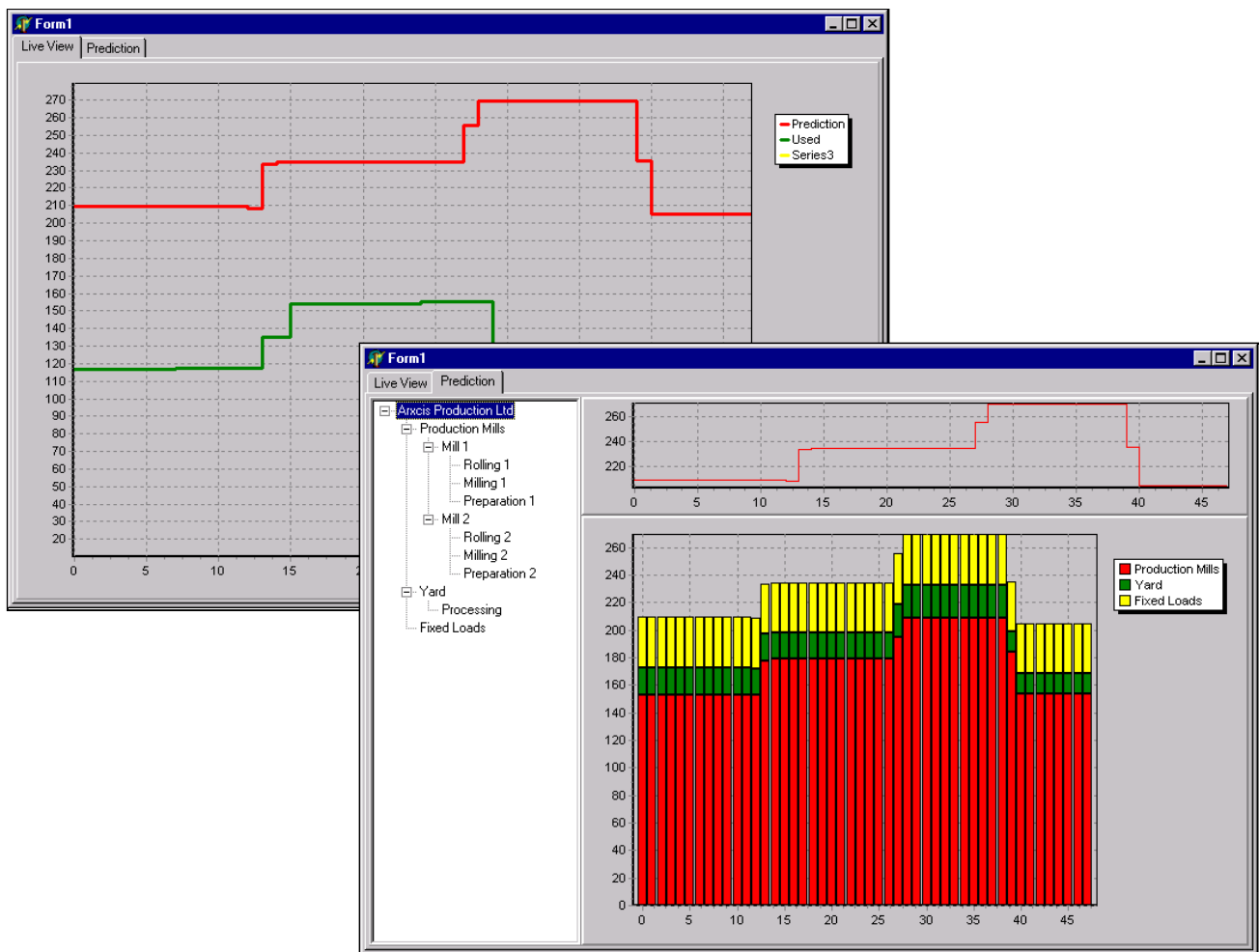


NETA

Load Prediction

With the introduction of the New Electricity Trading Arrangements (NETA), energy consumers are required to accurately predict their energy requirements to remove the possibility of incurring high penalty charges.

Load Prediction is specifically designed to enable a consumer to forecast their total energy consumption/demand by building a model of their processes and allocating predicted loads to parts of that model. A prediction can be made for one day or multiple days as required by the user's supplier. A simple prediction profile copying facility provides for rapid forward planning.

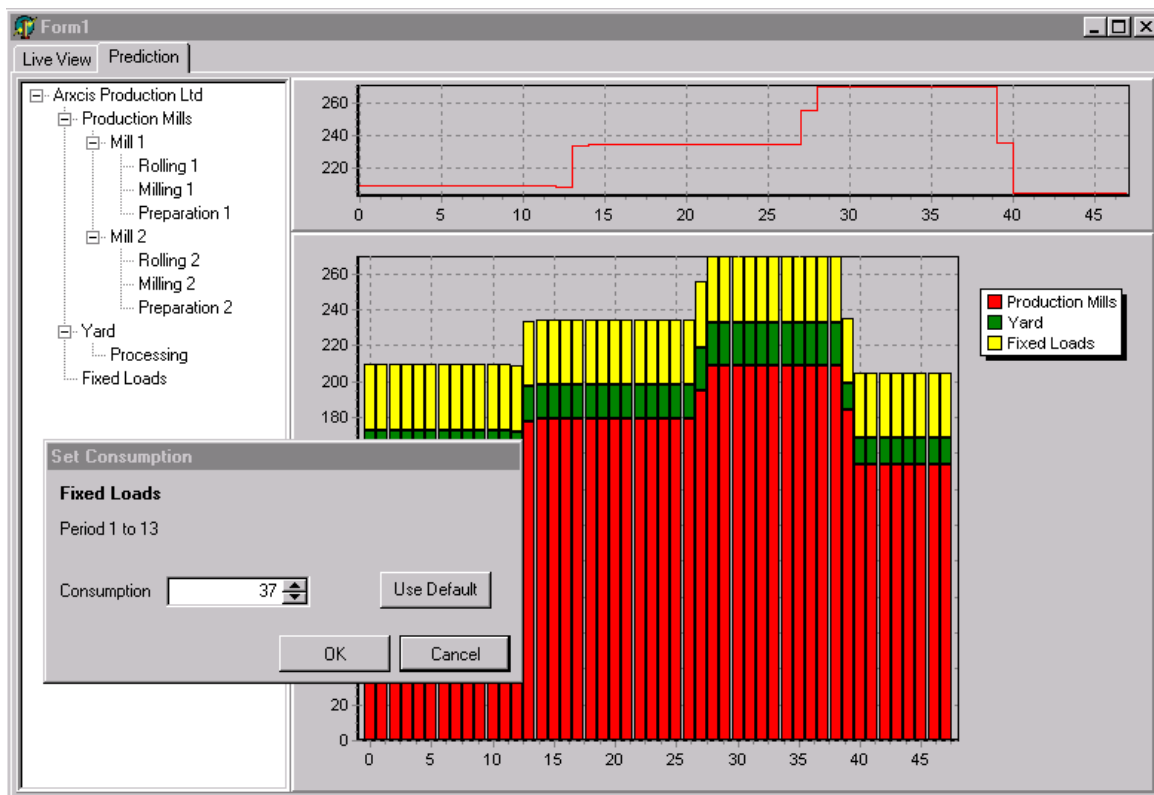


A user is able to view the whole or parts of the model. Access to parts of the model can be restricted by user permissions.

Load Prediction is a single user application and all predictions can be exported to a format that is read by most spreadsheet applications and sent to a consumer's energy supplier. The Load Prediction can be automatically moved into Microsoft Excel if required.

The concept of a model is central to the **Load Prediction** system. A model is made up of a number of cost centres which can be considered either as *children* or *parents*, e.g. Mill 2 is a *parent* whereas Motors is a *child*. Data is only entered for *children* as the *parent* is a calculated value by the software. There is no restriction to the complexity or depth of the model and users can be restricted to allocating consumption/loads for certain parts of the model only. Access to the Model Administration tool is restricted to those users with the relevant security permissions.

Our example below shows a conceptual model of a very simple factory. The model is not restrictive, however. There is no reason why a model could not represent a series of sites or even a specific process in a plant.



Energy consumers that are using **Atlas** system software are able, for reporting purposes, to link **Load Prediction** to acquire the actual consumption of the various elements of the model. This enables a visual and mathematical calculation of the difference between forecast and actual consumption. A real time display will present, in line graph form, the predicted load for today along with the actual as it progresses and the variance, updating will take place after the end of each ½ hr period.

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