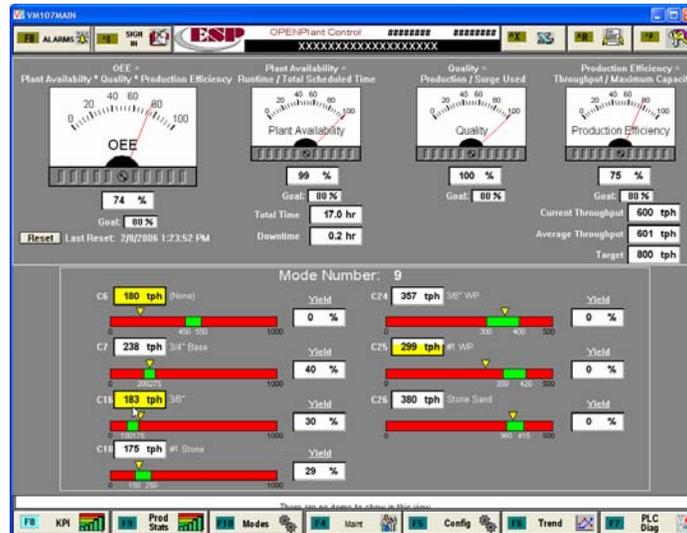


OPENPlant Control®

Key Performance Indicator (KPI) Option

The KPI option for OPENPlant Control® provides a **real-time overview** of the most critical indicators that determine the efficiency of your plant. The screen is divided into two sections. The top section is an overview of the plant's Overall Equipment Effectiveness (OEE). The bottom section is an overview of the plant's product mix.



OEE

OEE is calculated by multiplying three KPIs: Availability, Quality and Production. Plant availability is calculated by dividing the plant's total uptime divided by the scheduled shift time. The quality is calculated by dividing the sellable product produced by the plant's total production. The production efficiency is calculated by dividing the plant's total throughput divided by the plant's maximum capacity. The production efficiency value can also use tons per man hour for the unit of measurement.

Product Mix

The bottom half of the screen displays the current product mix. This allows someone to tell at a glance if the plant is making enough of the desired product or too much of the undesired product. The red bar indicates the total span of the belt scale and the yellow pointer represents the current belt scale reading. The green bar indicates the target tph range, which is defined when a mode is created. If the current belt scale tph is outside the desired range, the background will flash yellow. The yield indicates the percentage of the total production for the given stacker and the mode reflects the plant's production schedule and is determined by menu selection.

Data Collection

The KPI data is stored in a database and is viewable via a web browser. You can view the OEE statistics based on any given time period, such as, shift, day, week, month or year. The product mix is viewable via the same time period and displays a graphical overview of the product mix's total production and percent yield for each mode operated during the time period.