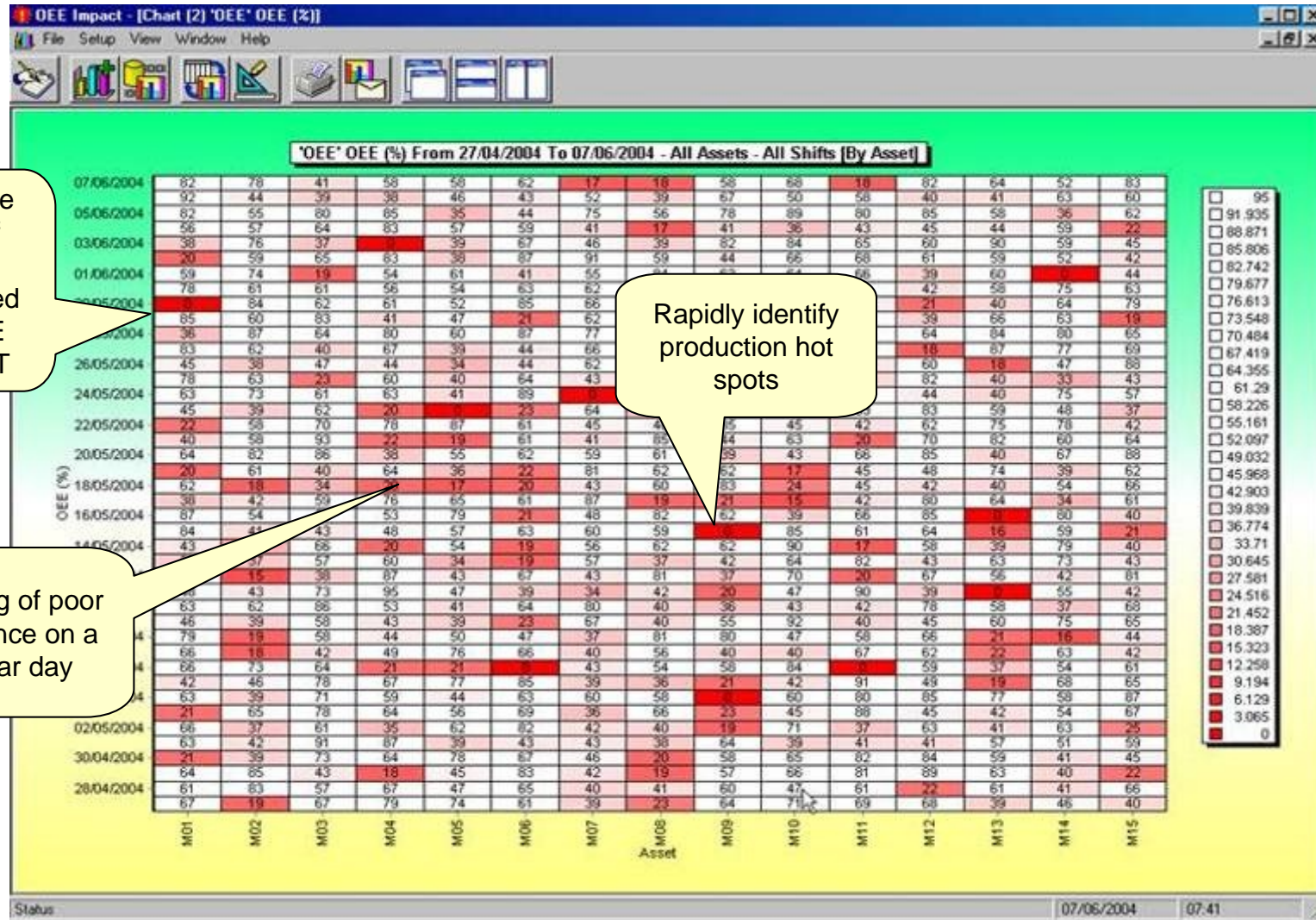


OEE Grid View



PRODUCTIVITY IMPROVEMENTS COME AS STANDARD



A Unique view of OEE generated by OEE IMPACT

Rapidly identify production hot spots

A grouping of poor performance on a particular day

Control Dynamics, Inc – USA Distributor / Software Integrator for Gemba Solutions
 4246 Corporate Exchange Drive, Hudsonville, MI 49426
 (616) 896-2008 www.cdi-mi.com

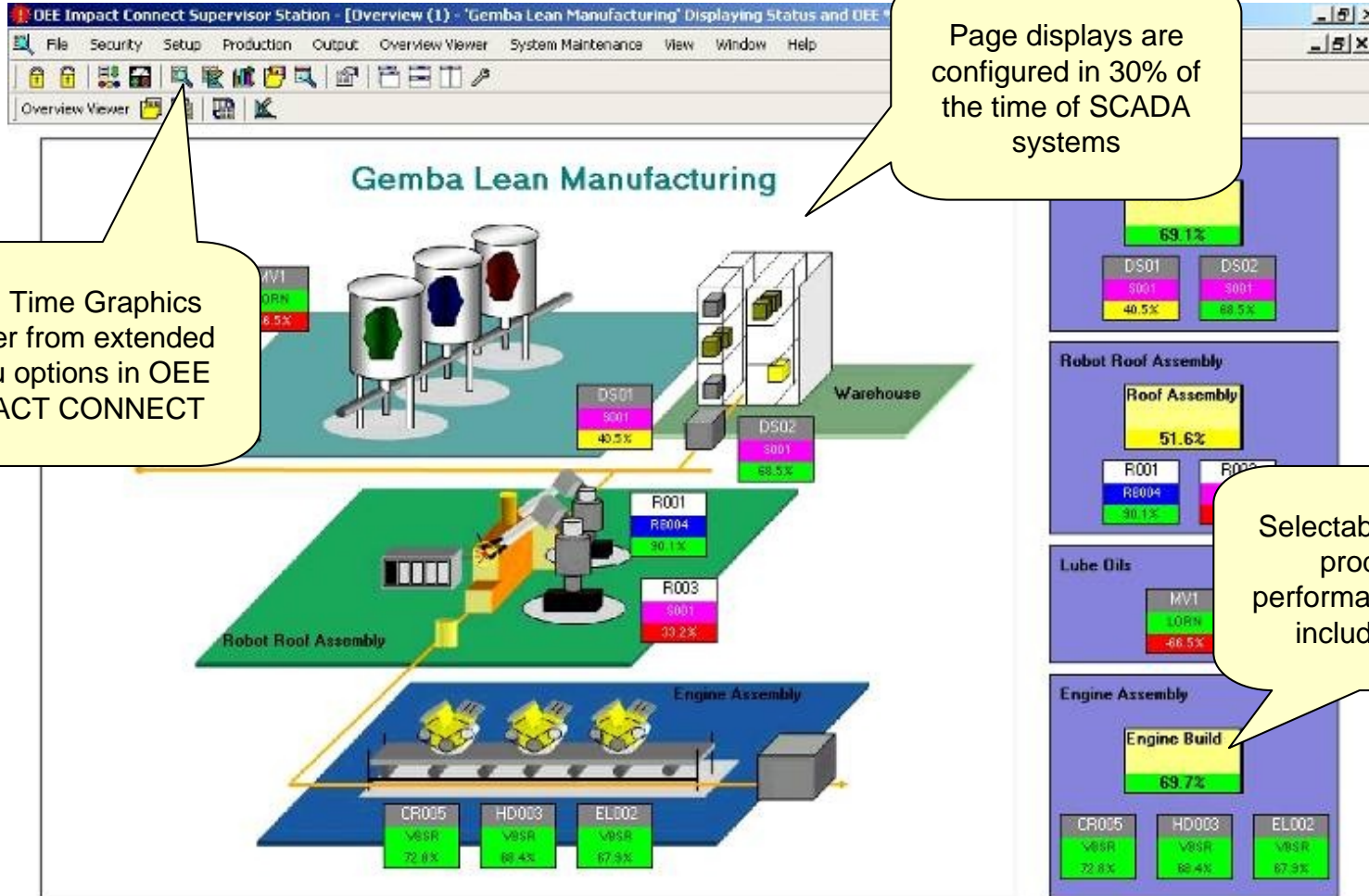
10/14/200511/06/2004



Real Time Graphics



PRODUCTIVITY IMPROVEMENTS COME AS STANDARD



Control Dynamics, Inc – USA Distributor / Software Integrator for Gemba Solutions
4246 Corporate Exchange Drive, Hudsonville, MI 49426
(616) 896-2008 www.cdi-mi.com

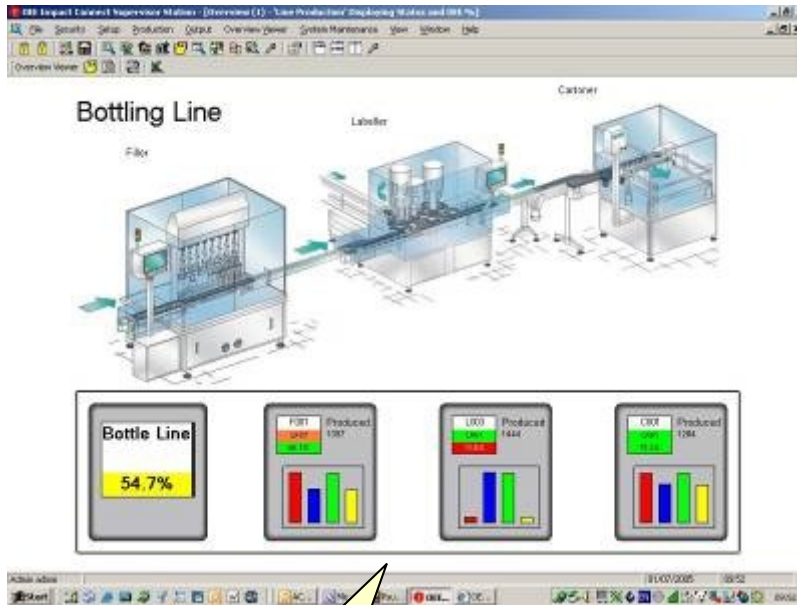
10/14/200511/06/2004



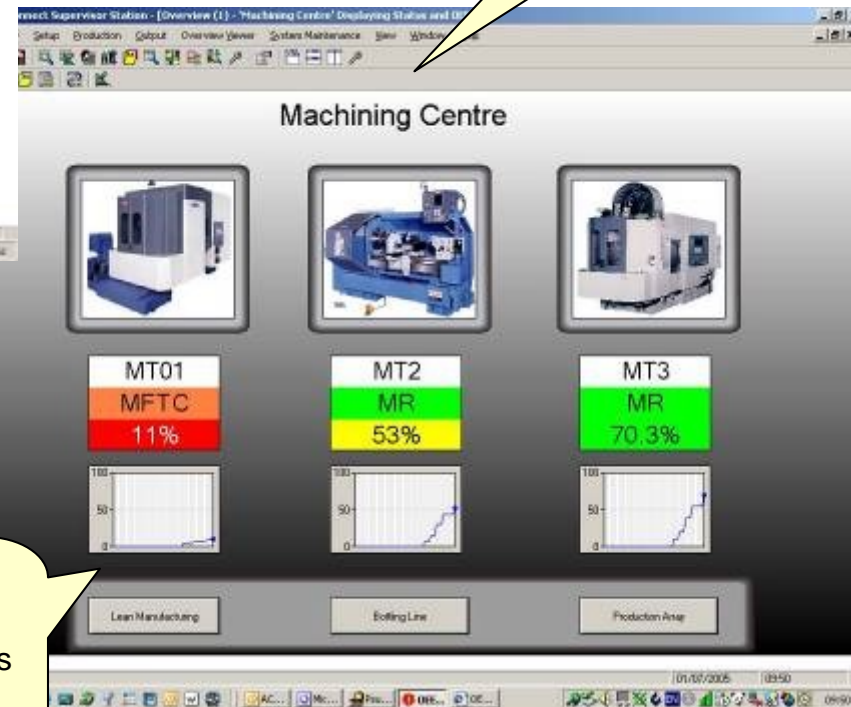
Line & Cell Production



PRODUCTIVITY IMPROVEMENTS COME AS STANDARD



Line Based Production



Cell Based OEE and Performance Monitoring

Production trends showing in real time as changes in today's production allowing rapid responses

Control Dynamics, Inc. OEE Distributor / Software Integrator for Gemba Solutions
4246 Corporate Exchange Drive, Hudsonville, MI 49426
(616) 896-2008 www.cdi-mi.com

10/14/2005 11/06/2004



Performance Summary



PRODUCTIVITY IMPROVEMENTS

Ability to Manually Enter Downtimes and Events

Three OEE Outputs

- Shift performance to date
- Performance of all jobs to date
- Current Job

The screenshot displays the OEE Impact Connect Supervisor Station interface. On the left, there is a tree view for 'Roof Assembly' with assets R001, R003, and R003. R001 is 'V8 assembly station running' (green), while R003 assets are in 'Unknown Stoppage for 10.8 mins' (yellow). The main area features a 'Summary' tab with a 'Name Plate based Shift to date' selected. A bar chart titled 'Asset R001 Summarised Event Data' shows durations in minutes for various events: running (19.4), k oil pump (2.517), crank profile (2.5), bearing fault (1.5), valve fault (1.5), and crank float (0.5). A legend on the right identifies these events. Below the chart is a performance summary table.

Asset Group	Up Mins	Down Mins	Availability	Performance	Good Units	Reject Units	Quality	OEE
Roof Assembly	187.9	38.3	83.1 %	100 %	1219	34	97.3 %	80.8 %
R001	104.6	8.5	92.5 %	100 %	600	19	96.9 %	89.6 %
R003	83.3	29.8	73.7 %	100 %	619	15	97.6 %	71.9 %

Real Time Pareto Charts

Real-time OEE and Production Displays. Red and Yellow levels of warnings

Control Dynamics, Inc – USA Distributor / Software Integrator for Gemba Solutions
 4246 Corporate Exchange Drive, Hudsonville, MI 49426
 (616) 896-2008 www.cdi-mi.com

10/14/2005 11/06/2004

