

**Cost improvement for Worthington Ltd, New Castle**

<b>Mission Statement</b>	Cost reduction of 20% until 30.9.2004
<b>Team Inputs</b>	<p>Inputs we have:</p> <ul style="list-style-type: none"> <li>- Worthington Ltd, New Castle</li> <li>- 40000T€ sales per year</li> <li>- 60 employees: 20 WCW, 40 BCW</li> <li>- Products/Service: insertion/ test of components for printed circuit boards (PCB)</li> <li>- production/ test of PCB</li> <li>- Organization : functional</li> <li>- Burden rates: labor burden in average 190 %</li> <li>- Material burden in average 28%</li> <li>- Automation: high</li> <li>- Sales organization: 3 sales engineers in direct contact with customers</li> <li>- Competition: Worthington is a small, but very flexible company in the PCB business</li> <li>- Customers: Automotive industry, Electronic industry</li> </ul> <p>Inputs we need:</p> <ul style="list-style-type: none"> <li>- organization flow chart</li> <li>- production volumes in detail</li> <li>- stock size</li> <li>- process costs in detail</li> </ul>
<b>Team Goals &amp; Outputs</b>	<p>Cost reduction of 20% until 30.9.2004</p> <ul style="list-style-type: none"> <li>- analysis <ul style="list-style-type: none"> <li>• analysis of labour burden and material burden cost</li> <li>• analysis of production time (lot size optimization)</li> <li>• order processing</li> </ul> </li> <li>- restructure plan <ul style="list-style-type: none"> <li>• organization chart</li> <li>• process chart</li> <li>• routing plan</li> <li>• Project plan</li> </ul> </li> </ul>

<b>Team Members</b>	Team leader <ul style="list-style-type: none"> <li>• John Beschnidt</li> <li>• Andreas Reichert</li> <li>• Philipp Hartmann</li> <li>• Heiko Boelter</li> <li>• Haifeng Li</li> <li>• Russell Sahusilawane</li> <li>• Phillip Kern</li> <li>• Florian Hieber</li> </ul>
<b>Group Responsibilities</b>	N.N.
<b>Steps to do</b>	<ul style="list-style-type: none"> <li>- analysis of the current state           <ul style="list-style-type: none"> <li>• organization flow chart Organigram Flow Chart Process chart</li> <li>• production volumes in detail</li> <li>• standard times (REFA), work and time study,</li> <li>• process times</li> <li>• down times</li> <li>• stock size</li> <li>• process costs in detail</li> </ul> </li> </ul>