

## CTPM Client Team Achievements as reported at CTPM Forums Aussie / Kiwi Cup Team Competitions

The following information has been reported in the public domain (CTPM Annual Forums) and hence can be shared. Our clients have also achieved many more substantial gains which, for confidentiality reasons, cannot be reported.

Company & Team	Type of Team and Focus	Savings / Improvements achieved during their 12-week cycle
<p><b>B&amp;D Doors &amp; Openers – Clontarf QLD</b> Night Rollers The Sequel Team Forum 2015 – <b>Winner</b></p>	<p><b>Cross-functional Team</b></p> <ul style="list-style-type: none"> <li>• Micro Focused Equipment &amp; Process Improvement Team – Series 2 Industrial Door Roll Up</li> </ul>	<ul style="list-style-type: none"> <li>• Improved Operator rating of Roll Up from 63.5% to 70.1%, and removed all issues identified in initial operator survey</li> <li>• <b>Reduced the Roll Up Risk Assessment Rating</b> from a score of 29 to a score of 22, therefore removing any high level strain on the operators body working in Roll Up and eliminating the risk of injuries</li> <li>• In addition to a significant reduction in manual handling risk, <b>the time to roll up a Series 2 door had decreased by 25%</b>, from an average 16 minutes to approx 12 minutes</li> <li>• Apart from reducing the risk associated with the Roll Up process the team also implemented an Accumulator Bench that allows for a significant improvement in the production rate</li> <li>• New process maintained the high quality and standards of the doors</li> <li>• The morale of everyone in the area was high and operators were now happy to work in Roll Up</li> <li>• The team found that pro-active teamwork achieved great results and sometimes the best ideas come from people furthest away from the process</li> </ul>

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<p><b>Goodman Fielder Dairy – Longburn NZ</b> Cultured Club Team Forum 2015</p>	<p><b>Cross-functional Team</b></p> <ul style="list-style-type: none"> <li>• Macro Focused Equipment &amp; Process Improvement Team – Micro 2 Line</li> </ul>	<ul style="list-style-type: none"> <li>• Even with batch issues with a Puhoi product during the cycle that was out of the team’s control, <b>OEE increased from 52% to 54%</b> on the Micro 2 Line</li> <li>• The cross sectional make of the team made for great involvement and knowledge sharing throughout the team, which generated many great ideas</li> <li>• The structured approach of the Cross-functional Team enabled the team to <b>complete 11 out of the 12 Improvement identified</b> within the 12 cycle</li> <li>• As it was the team to bring about the improvements with the involvement of the operators, sustainability of the results has been easy</li> <li>• Established good relationships between production and maintenance allowing for open communication, a better work environment, and high morale in the workplace</li> </ul>
<p><b>New Zealand Sugar – Auckland NZ</b> RACK “N” STACK Team Forum 2014 – <b>Winner</b></p>	<p><b>Cross-functional Team</b></p> <ul style="list-style-type: none"> <li>• Micro New Area Management Team – Storing, Picking &amp; Loading Equal Products</li> </ul>	<ul style="list-style-type: none"> <li>• Increased Safety in Warehouse by reducing congestion and improving picking ergonomics</li> <li>• Set-up Equal batch traceability from purchase to customer, via an in house scanning and quality management system</li> <li>• The reduction in storage and transport cost enabled the team to achieve a <b>financial saving of \$60,000</b> as promised</li> <li>• Increased the delivery performance, created training plans and most importantly simplified the ordering process</li> <li>• Improved Shop Order handling, achieved better communication, and increased product knowledge</li> <li>• Achieved pride and a high morale in Area, as well as increase customer satisfaction</li> <li>• Created a successful and fully integrated sweetener business</li> </ul>

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<b>B&amp;D Doors &amp; Openers – Clontarf QLD</b> Cyclone Beaters Team Forum 2014	<b>Cross-functional Team</b> <ul style="list-style-type: none"> <li>• Micro Focused Equipment &amp; Process Improvement Team – High Wind Doors Series 1 Doors</li> </ul>	<ul style="list-style-type: none"> <li>• Under <b>trial conditions</b> production rate of high wind doors <b>increased from 4.4 doors per hour to 8.8 doors per hour</b>, and yet the team recommended further improvements to remove non value add time from the process.</li> <li>• From the trial Long term impacts (Sep 2013 to July 2014) included: increase in doors per man hour from 1.44 to 1.71; increase in actual doors made from 1510 to 1657; decrease in man hours from 1442 to 1233; and decrease in overtime days from 23 to 4.</li> <li>• Most of the operator frustrations have been addressed by the introduction of the ant fatigue mats, the better balance of the auto rivet guns and the better planning involved with the high wind door process.</li> <li>• The sharing of ideas between the operators and maintainers was vital in the development of the various early prototypes of clip magazines, holding devices and press developments. Showed that they were a creative bunch.</li> </ul>
<b>B&amp;D Doors &amp; Openers – Revesby NSW</b> Series 2 Team Forum 2014	<b>Area Based Team</b> <ul style="list-style-type: none"> <li>• Operator Equipment Management Stage 1 Step 2 Team – Series 2 Line</li> </ul>	<ul style="list-style-type: none"> <li>• Excellent Team Work</li> <li>• Utilising individual abilities</li> <li>• Respect from management to workers</li> <li>• Pride in the new work area</li> <li>• OEM-2 Team Assessment improved from 67% at the Mid-way point of the cycle to a greatly improved 88% by the end of the cycle</li> <li>• B&amp;D's in-house WAM / OEM monthly audit score also increased from a score of 74 / 96 at the Mid-way point of the cycle to 91 / 96 by the end of the cycle</li> </ul>

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<b>AstraZeneca – North Ryde NSW</b> Reject Vampires Team Forum 2014	<b>Cross-functional Team</b> <ul style="list-style-type: none"> <li>• Micro Focused Equipment &amp; Process Improvement Team – 360-2 Line</li> </ul>	<ul style="list-style-type: none"> <li>• Realised a Quality Saving of \$39,400</li> <li>• Projected a Neckwet (line machine) Saving of \$6,800 but realised a saving of \$38,400</li> <li>• <b>Total Realised Saving of \$77,800</b> and a new projected saving of \$111,400</li> <li>• The team found an opportunity (quick win) in optimising quality related rejects during the cycle, producing a 39% saving in total racks rejected</li> <li>• Updated SOP's, training, and continuous monitoring throughout area</li> <li>• The team gained greater line awareness and all developed individually throughout the cycle</li> </ul>
<b>ALMC – Lytton QLD</b> The Wrappers Team Forum 2014	<b>Cross-functional Team</b> <ul style="list-style-type: none"> <li>• Micro New Product Management Team – Warehouse Production</li> </ul>	<ul style="list-style-type: none"> <li>• Purchase and Rental cost savings of the film wrap prices based on understanding the product and negotiating with supplier</li> <li>• Total <b>per annum saving of \$71,123</b> on film wrap</li> <li>• Able to now scan barcodes through the film wrap</li> <li>• Film structural integrity strength is maintained even with less film being applied to pallets, ensuring containment</li> <li>• Potential savings of <b>\$106,600 per annum</b> with the purchase of a new wrapping machine to remove inefficiencies, with payback within 2 years</li> <li>• Estimated 6,650,000g per year of savings in plastic wrap, therefore making a <b>saving equal to 39,900 kg of CO2 emissions</b></li> </ul>
<b>B&amp;D Doors &amp; Openers – Revesby NSW</b> Men at Work Team Forum 2013 – <b>Winner</b>	<b>Area Based Team</b> <ul style="list-style-type: none"> <li>• Work Area Management for Maintenance</li> </ul>	<ul style="list-style-type: none"> <li>• Improved the layout and orderliness of the Maintenance Area including Welding Bay, Work Benches, Machine Shop and Store</li> <li>• Implemented a tag down station so that everyone could identify who was using a certain piece of equipment at any time</li> <li>• Increased team work and individual abilities, resulting in a newfound pride in the work area and respect from management</li> </ul>

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<b>New Zealand Sugar – Auckland NZ</b> Carbon Credits Team Forum 2013	<b>Cross-functional Team</b> <ul style="list-style-type: none"> <li>• Micro Focused Equipment &amp; Process Improvement Team – Carbon Plant of Refinery</li> </ul>	<ul style="list-style-type: none"> <li>• Improved efficiency of the Carbon Column turnover part of operation while reducing the Environmental Impact of the operation</li> <li>• Established a discharge system that is much more Robust</li> <li>• Reduced Trade Waste flow, Supply Water usage and Energy from Steam Heating resulting in a saving of <b>\$60,389 p.a.</b></li> </ul>
<b>B&amp;D Doors &amp; Openers – Kilsyth VIC</b> Axle Assembly Cats Team Forum 2013	<b>Cross-functional Team</b> <ul style="list-style-type: none"> <li>• Micro Focused Process Improvement Team – Axle Assembly Area</li> </ul>	<ul style="list-style-type: none"> <li>• Reduced overall Manual Handling Risk by 84%</li> <li>• Reduced Non-Value Add activities by 72%</li> <li>• Eliminated the need for use of Mobile Plant</li> <li>• Increased morale and reduced frustration of the operators</li> </ul>
<b>New Zealand Sugar – Auckland NZ</b> The Shift Team Forum 2012 – <b>Winner</b>	<b>Area Based Team</b> <ul style="list-style-type: none"> <li>• Operator Equipment Management Step 2</li> </ul>	<ul style="list-style-type: none"> <li>• 37 defects identified with 97% completed</li> <li>• 8% improvement in G Pan Vacuum saving over <b>\$30,000 p.a.</b></li> <li>• 33% increase in Liquid Sugar plant continuous flow rate resulting in energy saving of over <b>\$2,000 p.a.</b></li> <li>• Reduced Maintenance Cost through less complex fault diagnostic</li> <li>• Improved housekeeping and stopped deterioration, eliminated unnecessary overtime due to cleaning , reduced slip hazards</li> <li>• Lifted the standard of workmanship throughout site</li> <li>• Generated enthusiasm and encouraged other teams to succeed</li> </ul>
<b>B&amp;D Doors &amp; Openers – Revesby NSW</b> Power Savers Team Forum 2012	<b>Cross-functional Team</b> <ul style="list-style-type: none"> <li>• Special Micro Focused Process Improvement Team – Energy Reduction</li> </ul>	<ul style="list-style-type: none"> <li>• 19% reduction in High Bay Light energy cost</li> <li>• 17% reduction in site electricity usage</li> <li>• Further potential 25% lighting energy savings identified through use of LED lights</li> </ul>
<b>New Zealand Sugar – Auckland NZ</b> The Chameleons Team Forum 2011 – <b>Winner</b>	<b>Cross-functional Team</b> <ul style="list-style-type: none"> <li>• Reduce change-over times on Sugar Blending Plant</li> </ul>	<ul style="list-style-type: none"> <li>• 4 major safety hazards identified and rectified</li> <li>• 25% reduction in change-over time</li> <li>• 7% increase in OEE</li> <li>• <b>\$8,600 p.a.</b> savings from 7 small improvements</li> <li>• 28 man hrs per month saving</li> </ul>
<b>Sugar Australia – Yarraville VIC</b> Sweet As Team Forum 2011	<b>Cross-functional Team</b> <ul style="list-style-type: none"> <li>• Reduce amount of sweet water waste pumped to trade waste</li> </ul>	<ul style="list-style-type: none"> <li>• 73% reduction in sweet waste pumped to trade waste</li> <li>• <b>\$270,000 p.a.</b> savings</li> </ul>

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<b>Sugar Australia – Yarraville VIC</b> Stitched Up Team Forum 2010 – <b>Winner</b>	<b>Cross-functional Team</b> <ul style="list-style-type: none"> <li>Reduce manual handling issues and product waste in Packing Area</li> </ul>	<ul style="list-style-type: none"> <li>80% reduction in waste generation</li> <li>80% reduction in manual lifting</li> <li>Significant increase in morale</li> <li>50% reduction in packing variability</li> <li>50% increase in capacity</li> <li>Higher level of PM attainment resulting in better availability</li> </ul>
<b>New Zealand Sugar – Auckland NZ</b> Affination Fugals Team Forum 2010	<b>Cross-functional Team</b> <ul style="list-style-type: none"> <li>Optimise Fugal cycle times</li> </ul>	<ul style="list-style-type: none"> <li>20% improvement in performance of Fugals</li> <li><b>\$118,000 p.a.</b> saving</li> </ul>
<b>Darrell Lea Chocolates – Kogarah NSW</b> Bulldogs Team Forum 2010	<b>Cross-functional Team</b> <ul style="list-style-type: none"> <li>Reduce CIP and Change-over time on Liquorice Line</li> </ul>	<ul style="list-style-type: none"> <li>60% reduction in CIP and Change-over time</li> </ul>
<b>Simplot Australia – Echuca VIC</b> The TemPeraMentals Team Forum 2009 – XFT <b>Winner</b>	<b>Cross-functional Team</b> <ul style="list-style-type: none"> <li>Improve Label System of the ERCA line</li> </ul>	<ul style="list-style-type: none"> <li>80% reduction in the ERCA Label downtime-related losses</li> <li>Developed a more effective label mould cleaning tool</li> <li>Improved housekeeping procedures to reduce damage to label system</li> </ul>
<b>Simplot Australia – Ulverstone TAS</b> The Kung Fu Pandas Team Forum 2009 – XFT	<b>Cross-functional Team</b> <ul style="list-style-type: none"> <li>Reduce Crumb Waste on Process Line 2 Fryer</li> </ul>	<ul style="list-style-type: none"> <li><b>\$727,000 p.a.</b> savings in filter paper, oil loss, labour, transport, tipping fees and trade waste charges</li> <li>Addressed significant safety issues including manual handling, spillage on floors, risk of fires and reduction in injury risks</li> </ul>
<b>New Zealand Sugar – Auckland NZ</b> The Packing Hall 2 Team Forum 2009 – ABT <b>Winner</b>	<b>Area Based Team</b> <ul style="list-style-type: none"> <li>Operator Equipment Management Step 1 in Packing Hall 2</li> </ul>	<ul style="list-style-type: none"> <li>10% increase OEE</li> <li><b>\$3,000 p.a.</b> savings from better management of Packaging Materials</li> <li>Improved understanding and use of procedures</li> </ul>
<b>Simplot Australia – Echuca VIC</b> The TemPeraMentals Team Forum 2009 – ABT	<b>Area Based Team</b> <ul style="list-style-type: none"> <li>Operator Equipment Management Step 1 on ERCA Line</li> </ul>	<ul style="list-style-type: none"> <li>Improved QA standards</li> <li>Improved procedures/equipment - OH&amp;S</li> <li>Improved production area lay-out - more professional &amp; modernised</li> <li>Easier to use &amp; maintain machinery</li> </ul>
<b>OZ Rosebery Mine – Rosebery TAS (formerly Zinifex)</b> The Turbidilisers Team Forum 2008 – XFT <b>Winner</b>	<b>Cross-functional Team</b> <ul style="list-style-type: none"> <li>Reduce losses and wastes associated with thickener overflows.</li> </ul>	<ul style="list-style-type: none"> <li>Improved communications and relationships.</li> <li>Improved morale.</li> <li>Decreased safety hazards through improvements.</li> </ul>

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<b>Simplot Australia – Ulverstone TAS</b> The Mythbusters Team Forum 2008 – XFT	<b>Cross-functional Team</b> <ul style="list-style-type: none"> <li>Improve Potato Chip packaging machine.</li> </ul>	<ul style="list-style-type: none"> <li>21% increase in daily carton production</li> <li>6% improvement in crinkle-cut yield</li> </ul>
<b>Simplot Australia – Bathurst NSW</b> The Gunslingers Team Forum 2008 – ABT <b>Winner</b>	<b>Area Based Team</b> <ul style="list-style-type: none"> <li>Operator Equipment Management Step 1 on Canning Line</li> </ul>	<ul style="list-style-type: none"> <li>50% reduction in change-over times (8 to 4 hours)</li> <li>90% reduction in start-up time after change-over (8 to 1 hour).</li> <li>Achieved a final self-assessment rating of 91.7%.</li> </ul>
<b>Boral Quarries – Dunmore NSW</b> The Pit Crew Team Forum 2008 – ABT	<b>Area Based Team</b> <ul style="list-style-type: none"> <li>Work Area Management of Stock Pile area.</li> </ul>	<ul style="list-style-type: none"> <li>Increased morale due to the fact that employee changes were being implemented.</li> <li>Assumed greater responsibility for team outcomes.</li> <li>Improved relationships between employees and management.</li> </ul>
<b>Holden Engine Plant – Port Melb VIC</b> The Blockbusters Team Forum 2007 – <b>Winner</b>	<b>Cross-functional Team</b> <ul style="list-style-type: none"> <li>Reduce losses within Operation # 60 of HFV6 Engine Line</li> </ul>	<ul style="list-style-type: none"> <li>25% increase in OEE by the halfway mark of the cycle.</li> <li>55% increase in OEE achieved by the end of the cycle.</li> <li><b>\$2.6million saved over 6 months</b> as a result of implementing improvements.</li> </ul>
<b>Zinifex Mine – Rosebery TAS</b> The Road Running Back Breaking Camels Team Forum 2007	<b>Cross-functional Team</b> <ul style="list-style-type: none"> <li>Improve the condition of the underground truck highway.</li> </ul>	<ul style="list-style-type: none"> <li>Cleared 80% of the worst TOES in the main decline roadway</li> <li>Reduced tyre punches from 1-2 per fortnight to 1 tyre change per mth</li> <li><b>\$204,000 p.a.</b> saving in tyre costs</li> <li><b>\$5 million p.a.</b> savings in lost revenue from tyre downtime</li> </ul>
<b>Simplot Australia – Echuca VIC</b> The Lab Rats Team Forum 2007	<b>Area Based Team</b> <ul style="list-style-type: none"> <li>Work Area Management of Lab</li> </ul>	<ul style="list-style-type: none"> <li>Cleaned up the lab and freed up lost time through establishing a place for everything.</li> <li>Increased morale.</li> <li>Improved efficiency and productivity of all workers.</li> </ul>
<b>CSL Bioplasma – Broadmeadows VIC</b> Tunnel Vision Team Forum 2006 – <b>Winner</b>	<b>Cross-functional Team</b> <ul style="list-style-type: none"> <li>Focused Equipment &amp; Process Improvement</li> </ul>	<ul style="list-style-type: none"> <li>81% reduction in Downtime from 673mins for 10 batches to 128mins</li> <li>OEE improved due to the many improvements made by the team</li> <li>Enhanced equipment ownership and team work</li> <li>Increased strength of inter departmental relationships</li> <li>Demonstrated that an enthusiastic team can create a positive business outcome</li> </ul>

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<b>Simplot Australia – Bathurst NSW</b> The Hot Peppers Team Forum 2006	<b>Cross-functional Team</b> <ul style="list-style-type: none"> <li>New Equipment Management for Capsicum Processing</li> </ul>	<ul style="list-style-type: none"> <li><b>\$19,165</b> saving due to early commissioning of the new line,</li> <li><b>\$156,578 p.a.</b> saving achieved</li> <li>Improved safety conditions.</li> <li>Improved communications and morale.</li> </ul>
<b>Fonterra Australia – Cororooke VIC</b> Tear It & Bag It Forum 2006	<b>Cross-functional Team</b> <ul style="list-style-type: none"> <li>Focused Equipment &amp; Process Improvement</li> </ul>	<ul style="list-style-type: none"> <li>Decreased the days to achieve production volume from 7 days to 5, which provided a saving of 44% in labour cost</li> <li>Encouraged a team approach throughout workplace and open communication</li> <li>Enormous increase in tonnes produced</li> <li>73% increased in OEE (Availability: 71% to 78%, Rate: 45% to 58%, and Quality: 81% to 99%)</li> </ul>
<b>Banpu Lampang Open Cut Coal Mine – Thailand</b> Banpu Thailand Team Forum 2006	<b>Cross-functional Team</b> <ul style="list-style-type: none"> <li>Reduce Stocking of Spare parts</li> </ul>	<ul style="list-style-type: none"> <li><b>\$138,000</b> savings by reducing holdings by 13%</li> <li>Reduced stock items held by 12%</li> <li>Created an effective spare part management system</li> </ul>
<b>Juken New Zealand – Northland NZ</b> The Half Cut NZ Forum 2006 – <b>Winner</b>	<b>Cross-functional Team</b> <ul style="list-style-type: none"> <li>Improve saw blade efficiency</li> </ul>	<ul style="list-style-type: none"> <li>12.5% increase in OEE within 3 months</li> <li>18% reduction in cost of production</li> <li>Improved customer satisfaction.</li> <li>Improved morale.</li> </ul>
<b>Hynds Pipe Systems – East Tamaki NZ</b> The Hard Yards NZ Forum 2006	<b>Area Based Team</b> <ul style="list-style-type: none"> <li>Improve Yard Department efficiency through Work Area Management</li> </ul>	<ul style="list-style-type: none"> <li>30% increase in storage space achieved</li> <li>23% increase in productivity</li> <li>4% increase in truck fill</li> </ul>
<b>Cryovac Sealed Air – Porirua NZ</b> The Resinlutions NZ Forum 2006	<b>Cross-functional Team</b> <ul style="list-style-type: none"> <li>Special Micro FE&amp;PI – Set Up Time Reduction</li> </ul>	<ul style="list-style-type: none"> <li>Decreased downtime from 130mins to the range of 5–18mins</li> <li>2.13 days extra capacity per annum</li> <li>Standardised work allowing for consistent work on all shifts with job becoming easier and safer</li> </ul>



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<b>Simplot Australia – Echuca VIC</b> The Shining Light Forum 2005 – <b>Winner</b>	<b>Cross-functional Team</b> <ul style="list-style-type: none"> <li>Reduce losses in the Canning Line</li> </ul>	<ul style="list-style-type: none"> <li>9% increase in OEE</li> <li>Improved delivery from 85% MPS to 92% MPS</li> <li>30% reduction in customer complaints from 10 to 7 (# per million products sold)</li> </ul>
<b>Ai Automotive – Woodville SA</b> The Box Heads Forum 2005	<b>Cross-functional Team</b> <ul style="list-style-type: none"> <li>Focused Equipment &amp; Process Improvement</li> </ul>	<ul style="list-style-type: none"> <li>34% increase in OEE from 47% to 63%</li> <li>Gained a better understanding of how to record OEE correctly</li> <li>Increased Operator Survey score by 11.2%</li> </ul>
<b>Simplot Australia – Kelso NSW</b> The Wasters Team Forum 2005	<b>Cross-functional Team</b> <ul style="list-style-type: none"> <li>Reduce spillage in the Formax Line</li> </ul>	<ul style="list-style-type: none"> <li>87% reduction in product spillage resulting in 4.5% increase in OEE</li> <li><b>\$182,000 p.a.</b> savings on one product line.</li> <li>30% increase in total plant OEE over 12-months</li> </ul>
<b>Simplot Australia – Kelso NSW</b> Finding Nemo Team Forum 2004 – <b>Winner</b>	<b>Cross-functional Team</b> <ul style="list-style-type: none"> <li>Focused Equipment &amp; Process Improvement</li> </ul>	<ul style="list-style-type: none"> <li>25% increase in OEE from 76% to 95% on the Slicer Press Line</li> <li>25% reduction in Waste from 3% to an average of 2.24%</li> <li>Improved understanding and working relations between departments</li> <li>Better understanding of issues in area and more problems being solved</li> </ul>
<b>Simplot Australia – Kelso NSW</b> F-Troop Team Forum 2004	<b>Cross-functional Team</b> <ul style="list-style-type: none"> <li>Focused Equipment &amp; Process Improvement</li> </ul>	<ul style="list-style-type: none"> <li>9% increase in OEE from 79% to 86% on the Fish Finger Line</li> <li>Decreased customer complaints and waste</li> <li>Developed greater understanding of recording downtime</li> </ul>
<b>Visy Industrial Packaging – Drouin VIC</b> Maintenance Team Forum 2004	<b>Area Based Team</b> <ul style="list-style-type: none"> <li>Work Area Management</li> </ul>	<ul style="list-style-type: none"> <li>31% increase in OEE from 61% in 2001 to 80% in 2004</li> <li>42% reduction in Cost of Maintenance from 2003 to 2004</li> <li>Implemented Tagging System that provided a more productive, structured approach to Maintenance Works Orders</li> <li>Generated pride through ownership</li> <li>Team decision making ensured everyone was happy with the outcome</li> </ul>
<b>Tenon – Kawerau NZ</b> The Saw Tech Team NZ Forum 2004 – <b>Winner</b>	<b>Cross-functional Team</b> <ul style="list-style-type: none"> <li>Improve Sawmill efficiency</li> </ul>	<ul style="list-style-type: none"> <li>3% increase in OEE</li> <li>80% reduction in saw changes (15 to 3)</li> </ul>
<b>Fonterra – Edgecumbe NZ</b> The Fast Tractors Team NZ Forum 2004	<b>Cross-functional Team</b> <ul style="list-style-type: none"> <li>Reduce Set-up Time</li> </ul>	<ul style="list-style-type: none"> <li>Shaved 1 hour 9min off turn-around time.</li> <li><b>\$1.5million p.a.</b> increase in revenue</li> </ul>

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<b>Cryovac Sealed Air – Porirua NZ</b> The Hot Lips Team NZ Forum 2004	<b>Cross-functional Team</b> <ul style="list-style-type: none"> <li>Special Micro FE&amp;PI – Set Up Time Reduction</li> </ul>	<ul style="list-style-type: none"> <li>76% reduction in set-up time which lead to a saving of <b>\$680,000 p.a.</b></li> <li>26% increase in OEE from 54% to 68% on Barrier Line</li> <li>45% improvement in Lip changes downtime</li> <li>240% reduction in scrap</li> </ul>
<b>ACI Plastics – Kirrawee NSW</b> The Tool Bags Team Forum 2003 – <b>Gold</b>	<b>Cross-functional Team</b> <ul style="list-style-type: none"> <li>Reduce set-up time</li> </ul>	<ul style="list-style-type: none"> <li>16% increase in OEE</li> <li>53% reduction in set-up time equating to <b>\$135,000 p.a.</b> cost reduction</li> <li>Reduced in line rejects</li> <li>Improved cycle-time and better start-ups</li> </ul>
<b>FCF (Fletcher Challenge Forests) – Rainbow Mountain Sawmill NZ</b> The Cutting Edge Team Forum 2003 – Silver	<b>Cross-functional Team</b> <ul style="list-style-type: none"> <li>Special Micro FE&amp;PI – Set Up Time Reduction</li> </ul>	<ul style="list-style-type: none"> <li>Increased safety and morale</li> <li>60% improvement in set-up time for Driver product</li> <li>Increased Operator rating survey in all areas of the teams improvement</li> <li><b>\$134,000 p.a.</b> benefit</li> </ul>
<b>Carter Holt Harvey – Te Rapa NZ</b> Hard Core II Team Forum 2003 – Bronze	<b>Area Based Team</b> <ul style="list-style-type: none"> <li>Operator Equipment Management</li> </ul>	<ul style="list-style-type: none"> <li>Successfully reduced Manning levels from 3 operators to 2</li> <li>Significantly decreased the Rewinder Downtime</li> <li>Increased staff morale, competency, ownership and communication</li> <li>Improved safety, with a record of Lost Time Injury (LTI) free for over 600,000hrs since team activities commenced</li> <li><b>\$511,000 p.a.</b> savings from OEM activity even during a period of uncertainty and company changes</li> </ul>
<b>ACI Plastics – Kirrawee NSW</b> The Revivors Team Forum 2002 – <b>Gold</b>	<b>Cross-functional Team</b> <ul style="list-style-type: none"> <li>Focused Equipment &amp; Process Improvement</li> </ul>	<ul style="list-style-type: none"> <li>29% increase in OEE average for the American Can Line</li> <li>10% increase in Run Rate of the American Can Line</li> <li>Reduced Technician frustration</li> <li>Increased line output by running consistently with less downtime</li> </ul>
<b>New Zealand Milk Products – Edgumbe NZ</b> Pillet Pirates Team Forum 2002 – Silver	<b>Area Based Team</b> <ul style="list-style-type: none"> <li>Operator Equipment Management Step 1 &amp; 2</li> </ul>	<ul style="list-style-type: none"> <li>50% reduction in Downtime on the Pillet</li> <li>Simplified operations and inspections through Visual Controls</li> <li>Established a simple and effective monitoring system that ensured the sustainability of the machine settings and conditions (PM Flashcards)</li> <li>Instilled a sense of ownership and pride through mutual participation resulting in better working relationships within the company boosting the morale of all staff.</li> </ul>

## CTPM Client Team Achievements as reported at CTPM Forums Aussie / Kiwi Cup Team Competitions

Company & Team	Type of Team and Focus	Savings / Improvements achieved during their 12-week cycle
<b>BHP Steel – Port Kembla NSW</b> Ship to Shore Team Forum 2002 – Bronze	<b>Cross-functional Team</b> <ul style="list-style-type: none"> <li>Focused Equipment &amp; Process Improvement</li> <li>Improve limestone and dolomite vessel discharge</li> </ul>	<ul style="list-style-type: none"> <li>17% increase in Limestone discharge performance</li> <li>16% increased in Dolomite discharge performance</li> <li>12% increase in Limestone truck T/hr performance</li> <li>16% increase in Dolomite truck T/hr performance</li> <li>Greater alignment between shifts in regards to discharge performance</li> </ul>
<b>Shinagawa Thermal Ceramics – Unanderra NSW</b> Mission Impossible Team Forum 2001 – Gold	<b>Cross-functional Team</b> <ul style="list-style-type: none"> <li>Focused Equipment &amp; Process Improvement</li> </ul>	<ul style="list-style-type: none"> <li>50% reduction in Dryer Start-Up Time resulting in 1hr 40mins extra production per week</li> <li><b>\$10,000 p.a.</b> savings by eliminating Dryer Spillage</li> <li><b>\$19,000 p.a.</b> savings by a 40% reduction in over crushing</li> <li>Integrated work groups</li> </ul>
<b>The Uncle Tobys Company – Smithfield NSW</b> Nitro Team Forum 2001 – Silver	<b>Cross-functional Team</b> <ul style="list-style-type: none"> <li>Reduce changeover times &amp; frequency</li> </ul>	<ul style="list-style-type: none"> <li><b>\$35,000 p.a.</b> savings by a 40% reduction in changeover times</li> <li>65% increase in OEE for the Jones Packing Line resulting in a direct labour saving of <b>\$200,000 p.a.</b></li> </ul>
<b>The Uncle Tobys Company – Smithfield NSW</b> Triple M Team Forum 2001 – Bronze	<b>Cross-functional Team</b> <ul style="list-style-type: none"> <li>Focused Equipment &amp; Process Improvement</li> </ul>	<ul style="list-style-type: none"> <li>37% increase in OEE for the Bartlett 9&amp;10 Noodle Soup Line</li> <li>Greater understanding of how the line works</li> <li>Better communication</li> <li><b>\$119,000 p.a.</b> in savings</li> </ul>
<b>Anchor Products – Edgecumbe NZ</b> Smashing Pumpkins Team Forum 2000 – Gold	<b>Area Based Team</b> <ul style="list-style-type: none"> <li>Work Area Management</li> </ul>	<ul style="list-style-type: none"> <li>20 Improvement Sheets created with 60% of them being completed</li> <li>87.5% of all tasks were actioned and completed</li> <li>Established standards / procedures and through training ensured everyone gained the discipline to sustain improvements</li> </ul>
<b>Alcoa World Alumina Australia – Kwinana Refinery</b> Valve Team Forum 2000 – Silver	<b>Area Based Team</b> <ul style="list-style-type: none"> <li>Work Area Management</li> </ul>	<ul style="list-style-type: none"> <li>Significant reduction in the Valve Maintenance Costs</li> <li>Improved safe storage, handling and transportation of valves</li> <li>Provided better / ergonomic work benches and facilities</li> <li>Adopted new work flow process</li> <li>Significant impact was gained in areas of safety, costs, housekeeping, workplace layout and organisation, ownership and morale</li> <li>Team empowered to make decisions</li> </ul>

## CTPM Client Team Achievements as reported at CTPM Forums Aussie / Kiwi Cup Team Competitions

Company & Team	Type of Team and Focus	Savings / Improvements achieved during their 12-week cycle
<p><b>The Uncle Tobys Company – Smithfield NSW</b> Wings &amp; Clouds Team Forum 2000 – Bronze</p>	<p><b>Cross-functional Team</b></p> <ul style="list-style-type: none"> <li>Focused Equipment &amp; Process Improvement</li> </ul>	<ul style="list-style-type: none"> <li>15% increase in OEE for Bartlet 1 machine from 48% to 55% resulting in labour saving of <b>\$28,600 p.a.</b></li> <li>31% increase in OEE for Bartlet 2 machine from 48% to 63% resulting in labour and material saving of <b>\$33,770 p.a.</b></li> <li>Improved teamwork / relationship between departments</li> <li>Improved communication between shifts</li> <li>Gave team members confidence, pride, enthusiasm, better understanding and a new found commitment to the team</li> </ul>
<p><b>Capral Aluminium – Minto Extrusion Plant</b> MTO Pilot Area Team Forum 1999 – <b>Gold</b></p>	<p><b>Cross-functional Team</b></p> <ul style="list-style-type: none"> <li>Focused Equipment &amp; Process Improvement</li> </ul>	<ul style="list-style-type: none"> <li>29% increase in OEE</li> <li>Increased Communication</li> <li>Improved resource utilisation</li> </ul>
<p><b>Alcoa World Alumina Australia – Kwinana Refinery</b> BC4 (Unit #8 Hydrate Feed Pumps) Team Forum 1999 – Silver</p>	<p><b>Cross-functional Team</b></p> <ul style="list-style-type: none"> <li>Focused Equipment &amp; Process Improvement</li> </ul>	<ul style="list-style-type: none"> <li>Improved packing life from max 2 weeks to 7 weeks</li> <li>Improved equipment management</li> <li>Increased knowledge and decreased the number of equipment interventions which helped increase OEE</li> <li>Equipment Survey of area increased from 5.1 to 7.3</li> </ul>
<p><b>Pirelli Cables</b> P24–225 &amp; P24-229 Team Forum 1999 – Bronze</p>	<p><b>Area Based Team</b></p> <ul style="list-style-type: none"> <li>Work Area Management</li> </ul>	<ul style="list-style-type: none"> <li>Improved housekeeping standards</li> <li>Organised work area and tools</li> <li>Reduced / eliminated sources of contamination</li> <li>Improved management of tools and materials</li> <li>Better teamwork, ownership, responsibility and pride in work area</li> </ul>
<p><b>MM Cables</b> P1–87 Team Forum 1998 – <b>Gold</b></p>	<p><b>Area Based Team</b></p> <ul style="list-style-type: none"> <li>Operator Equipment Management Step 1</li> </ul>	<ul style="list-style-type: none"> <li>Achieved OEE target with higher OEE results continuing after end of cycle</li> <li>Gained greater commitment from team</li> <li>Improved communications between shifts</li> <li>Addressed supplier quality problem</li> </ul>
<p><b>MM Cables</b> P24–194 Team Forum 1998 – Silver</p>	<p><b>Cross-functional Team</b></p> <ul style="list-style-type: none"> <li>Focused Equipment &amp; Process Improvement</li> </ul>	<ul style="list-style-type: none"> <li>Significant increase in OEE</li> <li><b>\$70,000 p.a.</b> in material savings</li> <li>Team members are more motivated by having the chance to learn, experience new things and make a real contribution</li> </ul>

## CTPM Client Team Achievements as reported at CTPM Forums Aussie / Kiwi Cup Team Competitions

Company & Team	Type of Team and Focus	Savings / Improvements achieved during their 12-week cycle
<b>MM Cables</b> P1-58 Team Forum 1998 – Bronze	<b>Area Based Team</b> <ul style="list-style-type: none"> <li>• Operator Equipment Management Step 1</li> </ul>	<ul style="list-style-type: none"> <li>• Contributed to a 40% increase in OEE from 55% to 78%</li> <li>• Gained an understanding of the importance of team work and that a clean machine makes for easy detection of defects</li> </ul>