Customized Lean Case Studies

Abstract Reduction of lead time by making use of a customized version of POLCA (material control system of QRM), namely G-POLCA, or Generic-POLCA. Keywords G-POLCA, Generic-POLCA, Quick Response Manufacturing, Lead time reduction Anonym Ja Company name Company address Company country Line of business Rubber And Miscellaneous Plastics Products (Approx.) yearly turnover 1.000.000€ - 5.000.000€ Number of employees 25 - 50 Percentage Her and Miscellaneous Plastics	
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turnover 1.000.000€ - 3.000.000€ Number of employees 25 - 50 Percentage 4	
employees 25 - 50 Percentage	
temporary workers 0% - 5%	
Principal range of products Products tailored to customer specifications	
Major product quantities Make-to-Engineer (one-of-a-kind)	
Principal type of production organisation Shop fabrication	
Who was the trigger / customer of the project?Managing Director	
Project Type Lead time reduction	
Lean is already fully established Neutral	
What was or is the main trigger to implement Lean?Increase quality	
Case Study $Case Study$ $The central question of the research focused on what kind of pull system could reduce the lead time of a project comp with extremely high variations and low volumes. The researchers made a distinction between three different systems, namely ConWIP, POLCA and Generic Polca (G-POLCA). The researchers concluded that G-POLCA would fit the organi best. G-POLCA is a variant on POLCA. All POLCA-cards of the complete process should be available before the production to started. ConWIP 1 \rightarrow 2 \rightarrow 3 \rightarrow 4 1 \rightarrow 2 \rightarrow 3 \rightarrow 4 GPOLCA 1 \rightarrow 2 \rightarrow 3 \rightarrow 4 1 \rightarrow 2 \rightarrow 3 \rightarrow 4$, isation
Top 1 waste Defects	
Top 2 waste Waiting	

