

# SIMUL8 Helps GM on the road to recovery

Doing more for less is becoming the new corporate mantra across the globe as business leaders are challenged to find smarter and more efficient ways of working.

SIMUL8 helped GM do exactly this. By developing smarter maintenance rules GM increased throughput by 5% to meet an increase in demand, without increasing costs.

# Working within the simulation numerous scenarios were quickly tested to measure their impact on throughput.



## Improving throughput without increasing costs

SIMUL8 software was used to create a virtual simulation of the complex assembly line process that involved four body styles being produced on the line and different variants and customer options for each body style on a Just In Time basis.

The team replicated the increase in workload through the simulation and could actually see bottlenecks building up at certain parts of the process. So, using this information, they experimented with different ways to remove the bottlenecks and increase throughput.

Working within the simulation numerous scenarios were quickly tested to measure their impact on throughput and, it was found that redistributing maintenance resource to improve uptime at critical bottlenecked areas was the most effective approach.



**We increased throughput without increasing overheads. Using SIMUL8 lets us stay flexible when planning resource to cope with demand fluctuations.**

Joy Boath  
Virtual manufacturing engineer  
GM Holden

GM Holden reduced their maintenance costs and saved on the expense of hiring new production workers, allowing them to remain flexible to return to lower production rates if demand slowed down.

The real bonus came though in discovering that an excess of carriers in the system was actually causing a blocked effect. Removing 2 carriers actually increased throughput by 5%. These carriers could then be used for spares, further improving production rates.

For more information on SIMUL8 products and solutions, contact:

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