



## At The Plant

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**At the plant.**

**BP MX in action.**

**Caterpillar's Turner Powertrain was chosen as the pilot site for BP MX in 2005.**

**The aim was to improve long term operational efficiency.**

**Before installation.**

**Production Supervisor:**

"The first thing I walk into in the morning is a load of hand written data from the previous three shifts, and then my first port of call is to start to pore through all that and decipher it."

"It's very difficult to go into a system and say 'what's happening now?', it's almost, I'd go as far to say, as impossible to do."

**Area Manager:**

"If you were to ask me the question 'have I got confidence in knowing where every piece is for the planned day's build?' then, quite frankly, the answer is that we don't know."

**BP Project Leader:**

"The reason we chose Turner as a pilot site was first because of the good relationship that we have already established through the chemical management programme that we have at their site, and second was the increased demand for their production, which create a need for them to increase their efficiency quite dramatically, which fits with what we're delivering with the MES system."

**Managing Director:**

"This solution is like winning the lottery for us."

"And we believe that our results are going to be nothing short of amazing."

**After installation.**

**Production Supervisor:**

"In the areas where we've implemented BP MX and have been running it for several months, we've noticed anything up to a 10-15% increase in efficiency."

"Now we're at a position where we can actually monitor the machine and exactly what it's doing, and that gives us a very, very accurate time. It means we can do calculations that are very, very accurate, very accurate indeed. And that allowed us to build the value streams that we've got today."



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### **Planner:**

“BP MX is a very simple system to operate and navigate around. It's based around the Windows environment, so even if you're not sure where you should be going, you've got an idea, or a seasoned computer user has got an idea of where they need to look in the menus, and that kind of thing.”

### **Team Leader:**

“We've actually proved that we only need to produce what we need, what the customer requires, where before we produced a lot of WIP, so the guys have been in all hours and trying to get things out the door, a lot of it would just end up sitting, waiting to go to assembly. Whereas now we've got a much better system, where the guys actually produce what we actually need, and they can see what the customer actually wants.”

“When the system was first installed, the guy who initially was on the cell is quite an older guy - never used a computer in his life, and he started to see that his hourly output wasn't really what the customer required, was a lot lower, he was getting 10 an hour. He came and approached us with a couple of the guys who work with him, and he said 'we think we can get more an hour output - we've got the machines the wrong way around'. We were all a bit baffled about this, so, went back to the system, we talked to the guys, had a meeting about it with the guys on the shop. We then decided we were going to swap two or three of the machines around and 'hey presto', we got 18 an hour, which is a fantastic improvement.”

### **Plant Manager:**

“We certainly couldn't have changed at the rate we have, and made the impact within the wider organisation, without the BP MX system and that data driving us to be able to measure a baseline and then our levels of improvement.”