

Return on Imagination

Chris Stearns

Operations Excellence

Honeywell



Operations Excellence



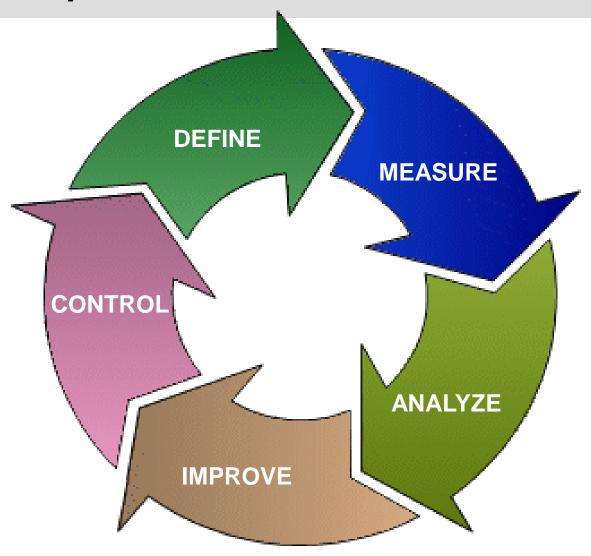


What is Operations Excellence?



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What is Operations Excellence?





Increased Capacity	5 %
Improved capacity utilization	3 %
Decreased unscheduled shutdowns and slowdowns	50 %
Improved productivity	10 %
Reduced fixed cost	15 %
Improved energy utilization	5 %

Gillard, C. F. "Creating plant operating excellence with measurable results." HYDROCARBON PROCESSING Apr. 2001: 57+.



"For an average-sized refinery, these improvements should deliver an economic benefit of \$25 million/year"

Gillard, C. F. "Creating plant operating excellence with measurable results." HYDROCARBON PROCESSING Apr. 2001: 57+.



"...ensure
effective
management of
abnormal
situations."



ASM® Consortium Guidelines Effective Operations Practices

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Version 6.00, 3-Mar-09





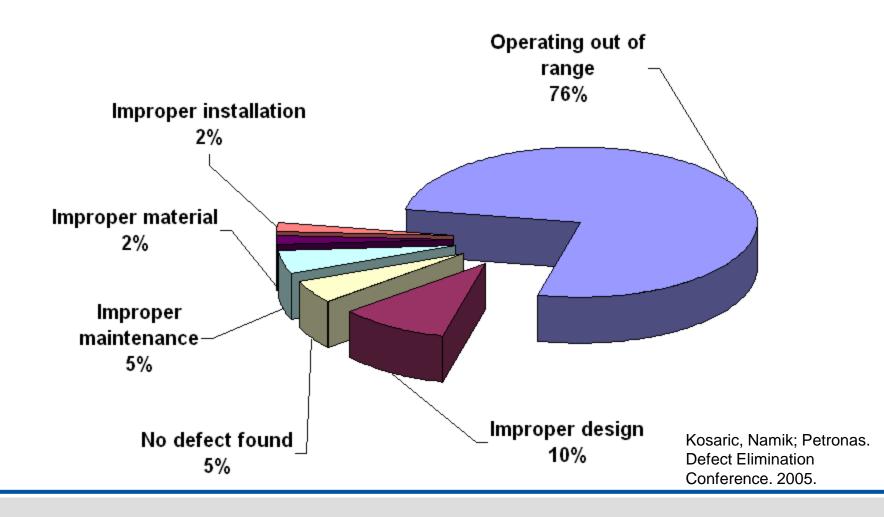
"the design of OEMS fully addresses, and in some respects goes beyond, the requirements of ISO 14001 and OSHAS 18001"

"Safety and environmental performance within Chevron's operations has improved since the deployment of OEMS."

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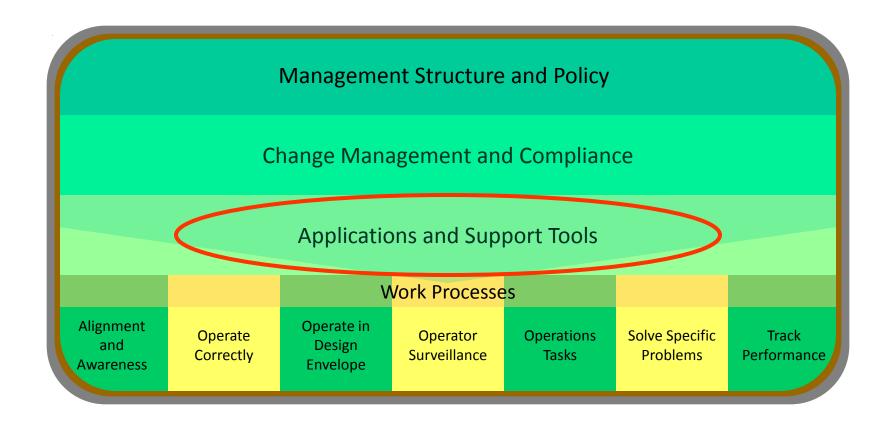


Causes of Poor Asset Performance





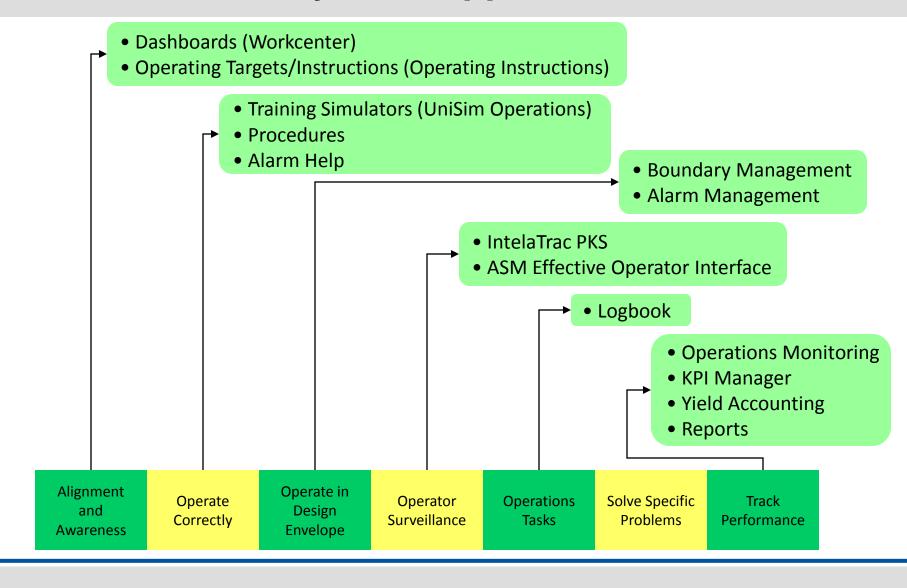
How Does Honeywell Support OE?



Gillard, C. F. "Creating plant operating excellence with measurable results." HYDROCARBON PROCESSING Apr. 2001: 57+.



How Does Honeywell Support OE?



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Operating in the Design Envelope Today

The Road Ahead. Your Driver.



The Process.



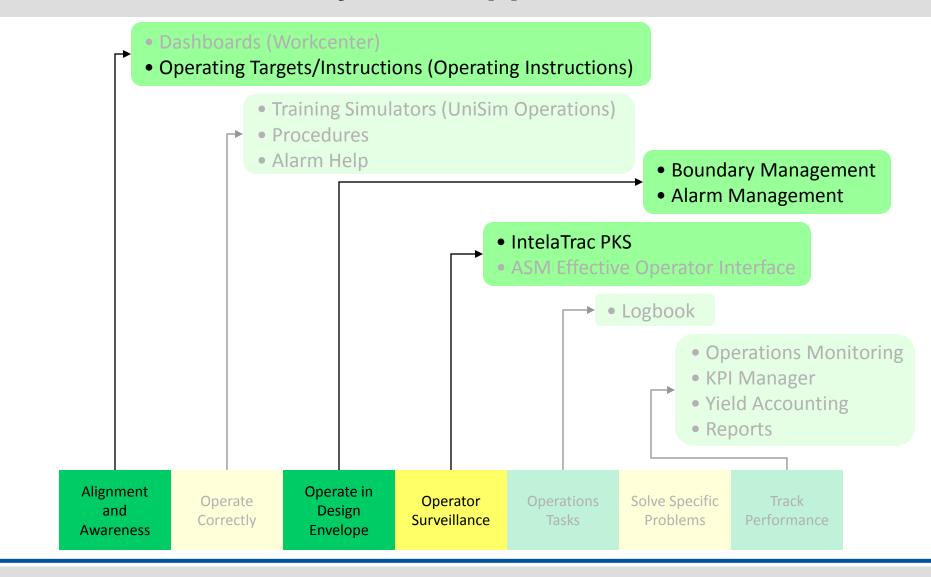
The Operator. The Result.

The Result.



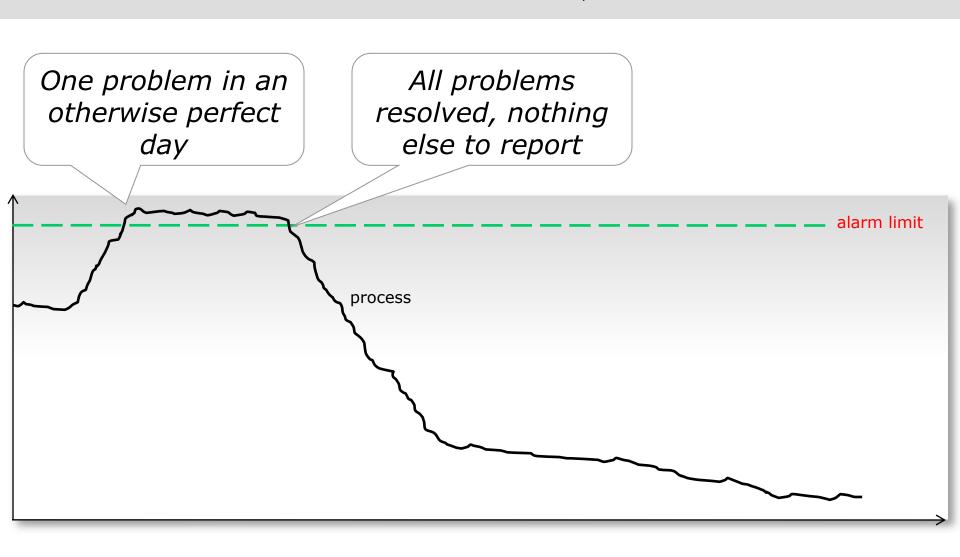


How Does Honeywell Support OE?



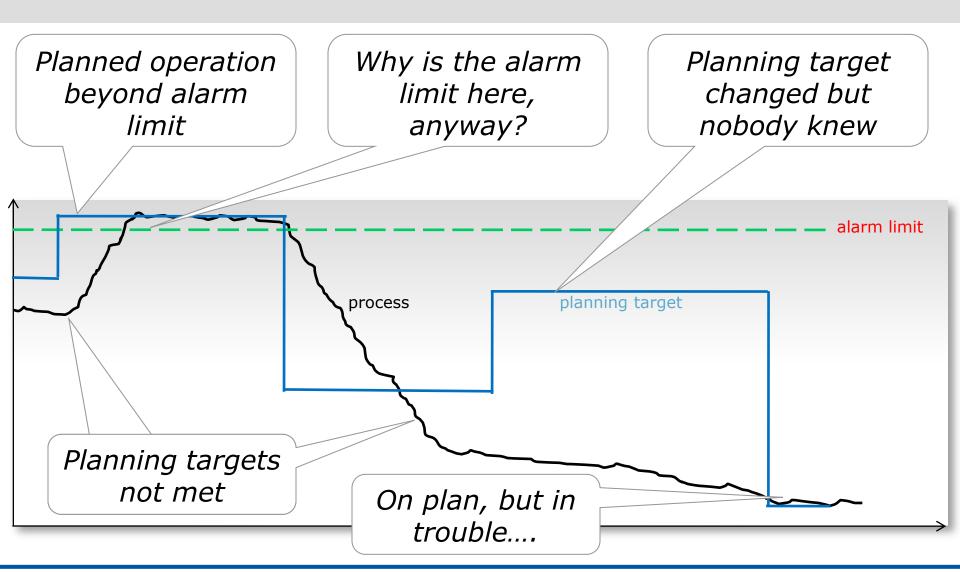


Current Practice – No Alarm, No Problem



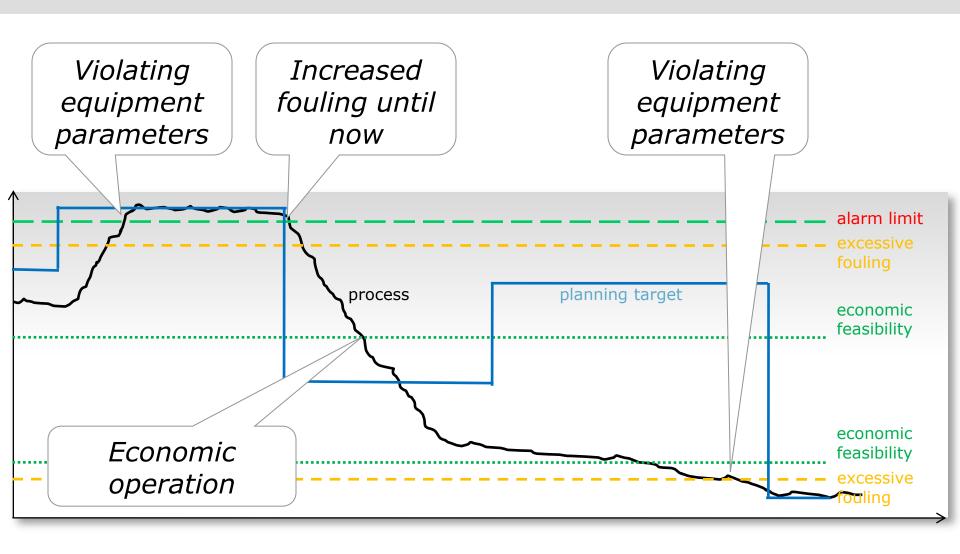


Know Your Limits



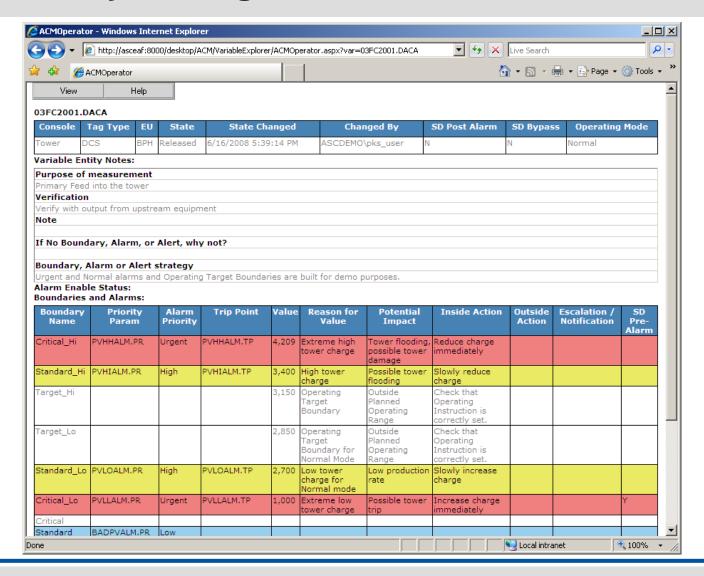


Know Your Limits



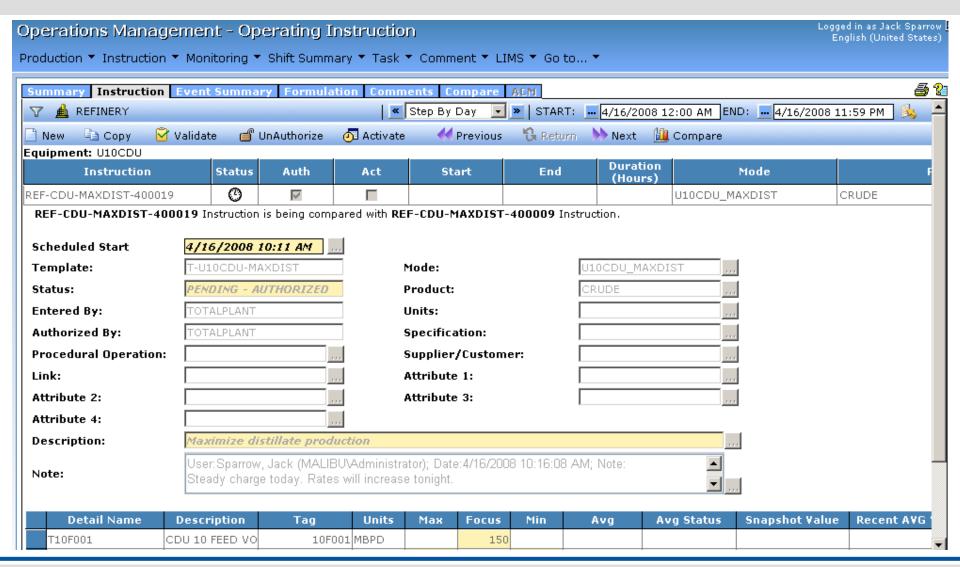


Boundary Management





Operating Instructions





Operator Surveillance







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Now, let's go for that drive....

The Road Ahead. Your Driver.

The Result.



The Process.



The Operator.

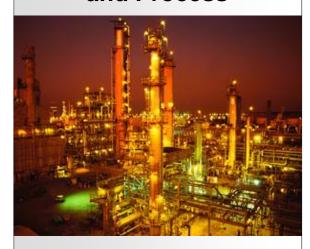


The Result.

OE Addresses Industry Challenges

Safety

Protect People, Assets and Process



Billions lost per year in Petrochem Industry

Reliability

Improve Availability Reduce Downtime



Millions lost per year due to unplanned production losses

Efficiency

Improve Productivity
Reduce Cost



Fewer people can make better decisions, faster