

A day of production...

...a day of energy savings!

Cliff Whitehead, Rockwell Automation



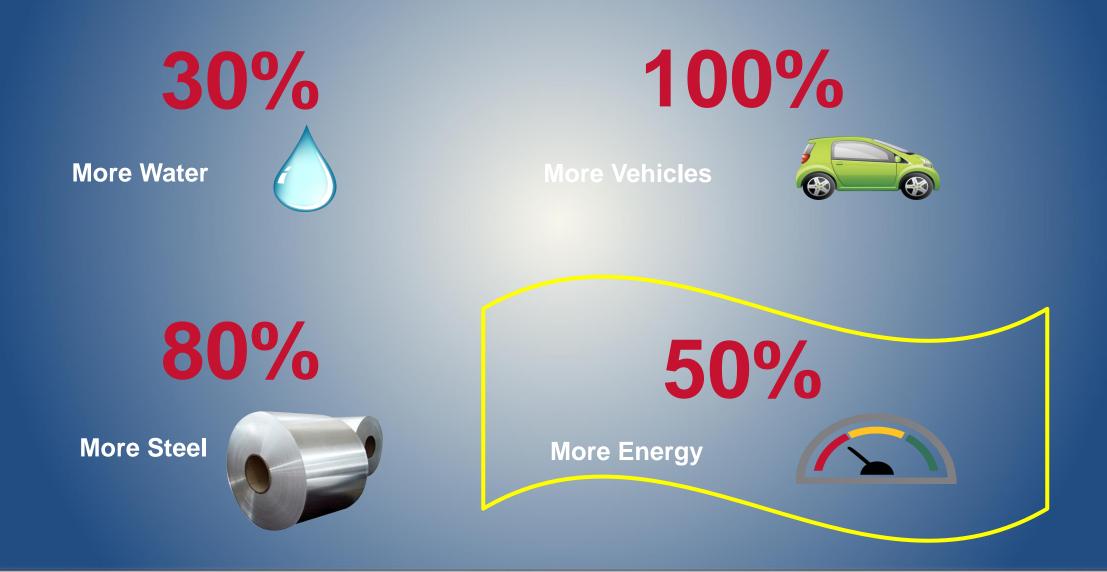
Discussion Topics

Market drivers for industrial energy efficiency

Optimization of Energy Usage (OEU™) in action

What ODVA is doing next

Increased Demand on Industrial Production

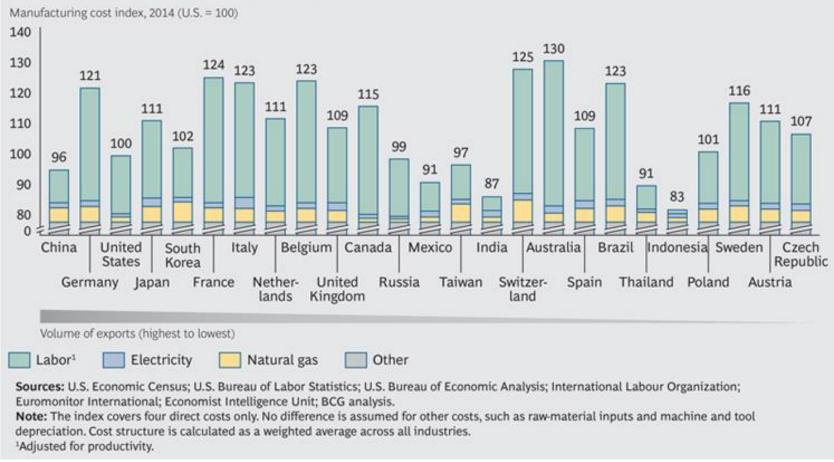




Global Manufacturing Competitiveness

Technology and global trends balance the scale

EXHIBIT 1 Comparing the Top 25 Export Economies





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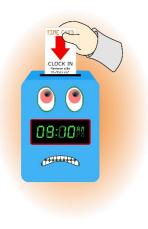
What ODVA is doing next



"A day of production ... a day of energy savings!"

The setting: A hybrid manufacturing plant

- Three operating shifts per day, seven day per week operation
- Batch mixing operations feeding packaging lines
- Cold storage and ambient storage warehousing
- Facilities/utilities management center
- Office space and grounds (parking, perimeter security, etc.)



ENABLE ... ENERGY VISIBILITY

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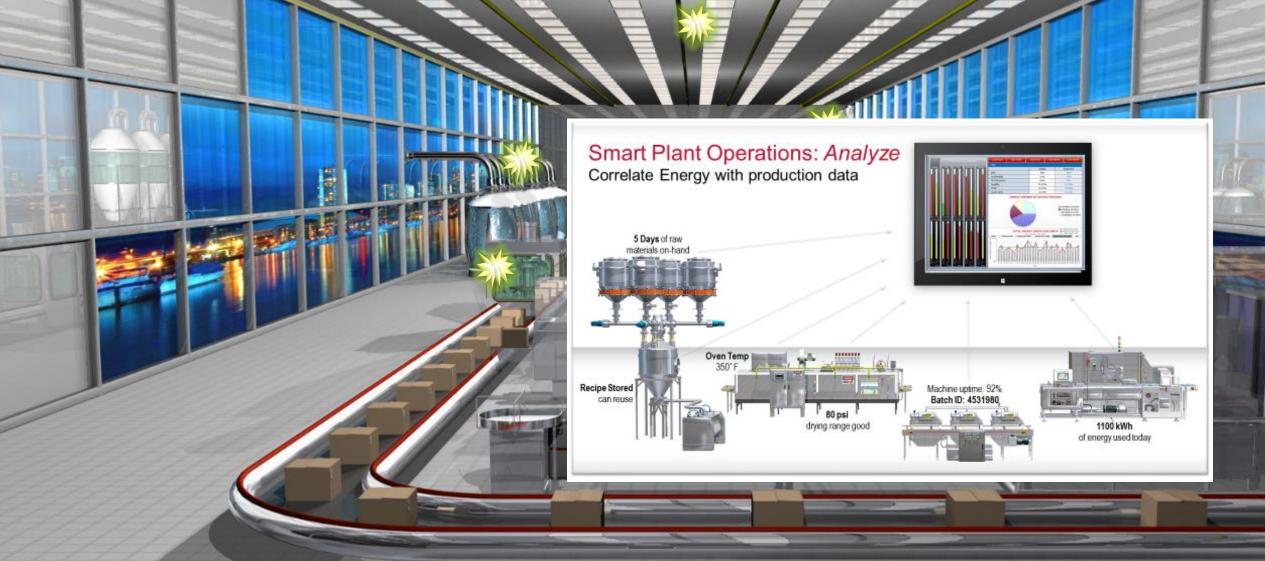
Energy awareness Base + Electrical + N

Base + Electrical + Non-Electrical Energy Objects



Simple Control

Power Management Object



Advanced Control Power Curtailment Object



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Enhancement to Power Management Object



Actual vs Baseline

Line of the second sec

SUSTAINABLE

OPTIMIZED

DEMAND-DRIVEN





A REAL PROPERTY AND A REAL







Thank you!

