

## Increase profits and maximize production

ABB Reliability Services offers an improvement strategy for process plants that works – Total Plant Reliability (TPR). TPR helps corporations increase profits and maximize production of quality products. Through TPR, corporations can achieve a return on investment of three to one.

TPR is a multi-staged improvement program comprised of four key elements. These elements focus on improved leadership for and management of your organization’s assets and people.

### Total Plant Reliability

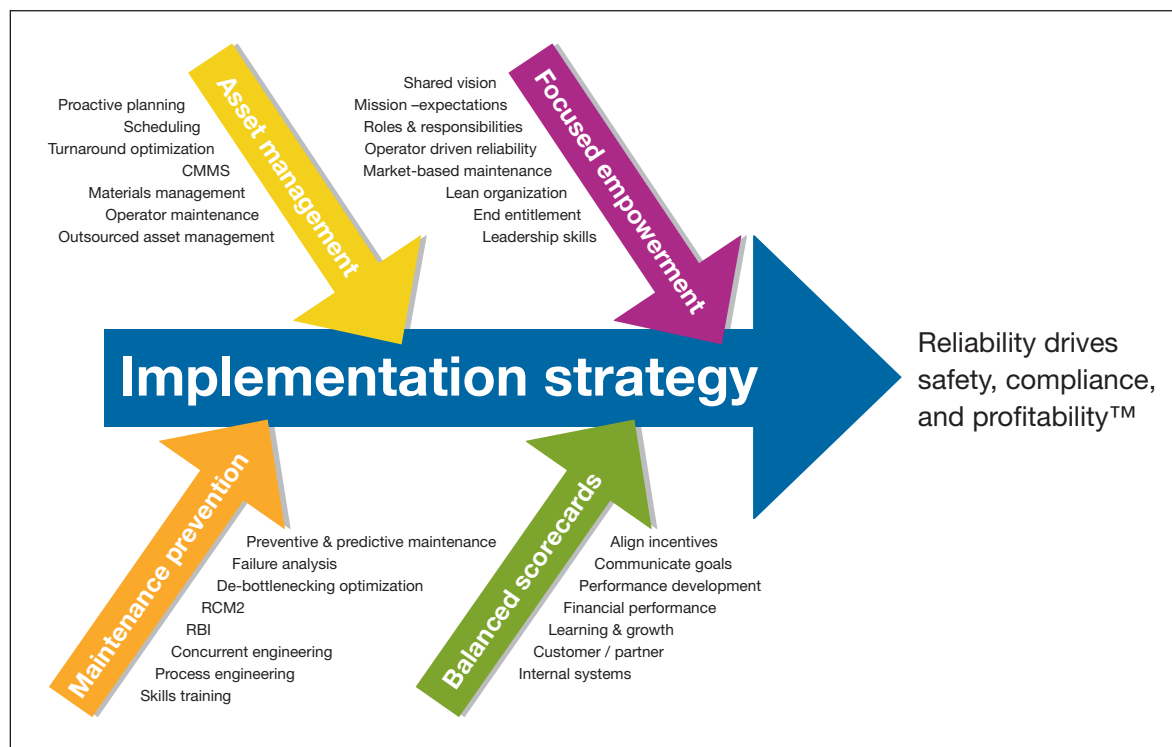
*A learning organization that exceeds customer expectations by optimizing plant reliability, productivity, and flexibility.*

To achieve TPR, an organization must have reliable practices, reliable people, and reliable assets. For optimal productivity these four principle areas of change must be

implemented – Focused Empowerment, Asset Management, Maintenance Prevention, and Balanced Scorecard.

TPR provides a path to permanent reliability improvement.

It is a multi-step process where the results provide a minimum return on investment of 3 to 1.

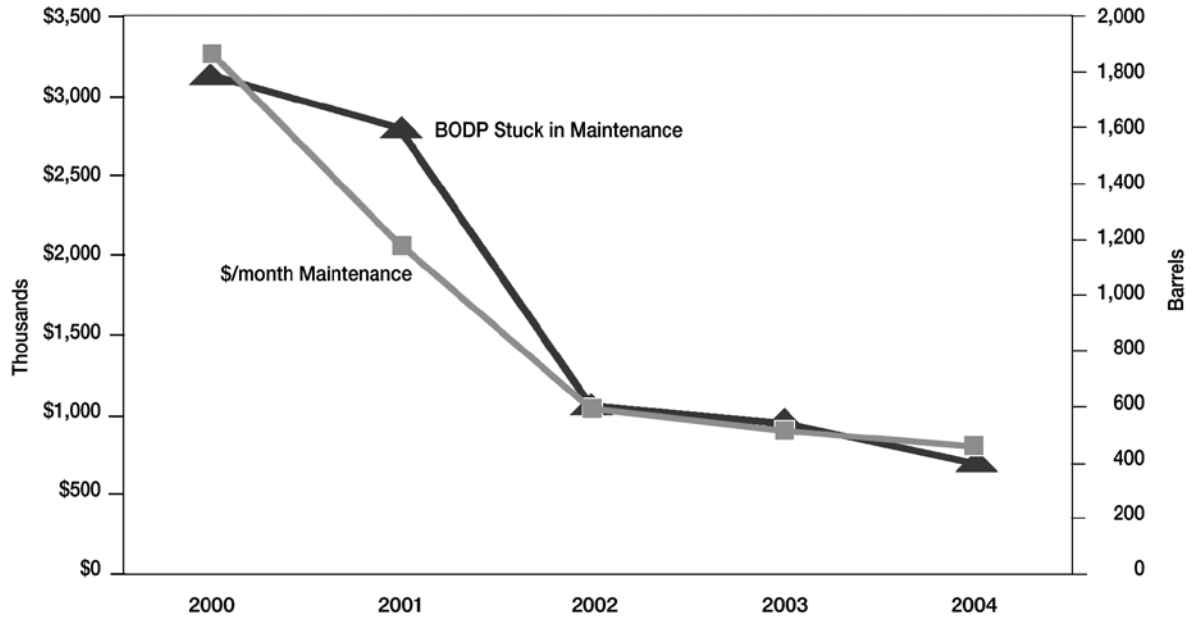


### The first principle

Focused Empowerment. An organization must have leadership committed to change with the whole organization embracing a shared vision and mission. The entire workforce must be involved in achieving the reliability goals. Through Focused Empowerment, corporate leadership will provide the direction and systems to sustain change. The employee base will be a leader in the change to implement through empowerment. Focused Empowerment addresses reliability pertaining to practices and people.

### The second principle

Develop a Reliability Balanced Scorecard. As your corporation embarks on a change process, an integrated set of leading and lagging key performance indicators need to be developed to track improvements. The Reliability Balanced Scorecard allows an organization to link reliability and business strategies with specific activities and performance goals. The end result is more effective use of resources and improved reliability.



Upstream client demonstrated that through process improvement, cost and equipment performance can be improved simultaneously!

### TPR's final two principles

are Asset Management and Maintenance Prevention, both designed to address the asset side of your organization. Every corporation should have in place a strong structure of effective planning and scheduling. The planning/scheduling module should incorporate a blend of strategies,

technologies, staffing, and skills. Together they function interdependently to help optimize your operations. In addition, minimizing the amount of resource use by eliminating unnecessary work and preventable down time is a key element in achieving Total Plant Reliability,



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