

INDUSTRY REFLECTION



75% Plants are Dealing with
Poor Control System
Overly Complex BNR Process
Inadequate Turndown

Are You?



30%

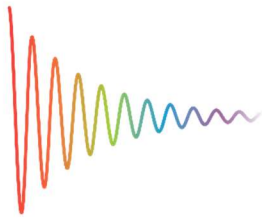
Manual
Operation

15%

Output Out of
Range

30%

Increasing
Variation



Symphony[®]

Operating Management System for Biological Processes

Industry Challenges	Symphony [®] Solutions	Symphony [®] Benefits
Overly Complex (BNR Process)	Effluent Quality Best Effluent Quality with Next-Generation Digital Solutions	Up to 50% Process Improvement
Lack of Trust (Instrumentation & Control)	FDIR Multi-Layered Fault Detection, Isolation, and Recovery with 'Learned-Knowledge'	Operational Confidence
High Failure Rate	Tactical Control Tactical Control Logic with Process-Based Control Algorithms	Eliminate Premature Equipment Failure
When to Maintain?	RCM Business Based Reliability Centered Management with 'Learned- Knowledge'	Maintain Only to Improve Value
Inadequate Turndown	Right Sizing Required Operational Flexibility with 'Learned-Knowledge'	Optimized Performance and Lowest Energy Use
High Energy Cost (Aeration Blowers)	Energy Saving Guaranteed Lowest Energy Use for Installed Equipment with Next-Generation Digital Solutions	Up to 50% Reduction in Aeration Energy
Staffing Limitations	Human Critical Do More with Less with Next Generation Digital Solutions	Harmonized Human, Machine, and Virtual Assets

Symphony[®] is a suite of next-generation controls, equipment, and services; all focused on getting the 'most' from the plant. The pivotal technology featured in Symphony is its digital solutions. Symphony[®] is brought to you by Environmental Dynamics International (EDI).