Safety, Health, & Environmental (SHE) Pillar: Foundation of Lean Continuous Improvement
Beginnings of Lean & TPM
James Womack & Lean
TPM
The Safety, Health, & Environmental (SHE) Pillar
The Value of Safety, Health, & Environment
Zero Accident & Incident Vision
Strategy for Eliminating Accidents & Environmental Incidents

Autonomous SHE
The Path Towards Autonomous Safety / Autonomous SHE
Proactively Removing SHE Risk
Integrating the SHE Pillar with the Other Pillars

Preparation Phase: Laying the Foundation for SHE Excellence
Management Commitment & Living Leadership
Assessing Organizational Readiness
SHE Vision and Values
Zero Accident & Incident Education
SHE Loss Tree
SHE Governance: Form Follows Function
SHE Targets & the Balanced Scorecard
6 S (5S for SHE)
Lockout Tagout / Zero Energy State (LOTO/ZES)

Integrating SHE into the Autonomous Maintenance Pillar
Overview of the Integration of Autonomous Maintenance and SHE
AM Step 1: Initial Clean & SHE
AM Step 2: Countermeasures to Sources of Contamination & SHE
AM Step 3: Tentative AM & SHE
AM Step 4: General Inspections & SHE
AM Step 5: Autonomous Inspection & SHE
AM Step 6: Standardization & SHE
AM Step 7: All – Out AM Management & SHE

Integrating SHE, Planned Maintenance, & Early Management
Rationale Behind the Integration of Planned Maintenance and SHE
Safety Permit Systems
Planned Maintenance Support for AM & SHE
PM Safety Checklists
Early Management & SHE
Hazard and Operability Reviews
FEMA & Start-Up Checklists
30 -60-90 Day Reviews
Focused Improvement, Training & Education, and SHE
The Rationale behind Integrating Focused Improvement and SHE
SHE Kaizens
5S for SHE/6S: Condition-Based Kaizens
People-Centered Safety: Behavior-Based Kaizens
Integrating SHE into the Training and Education Pillar
Shu Ha Ri
One-Point Lessons (OPLs)
SHE Training Plan & the Kaizen Gym

SHE Pillar Activities
SHE & Lean
SHE Pillar Master Plan & SHE Management Systems
SHE Pillar Self-Assessment
SHE Control Charting
SHE Visual Mapping & Charting
SHE Pillar Activity Board

Lean & Green: Applying Lean to the Environment
Lean and Environmental Sustainability
The Lean & Green Sustainability Roadmap
Applying Value Stream Mapping to The Environment
Applying Visual Controls to the Environment
Lean & Energy