



Uptime

Module 1 - Introduction to UPTIME

With Mike Wroblewski

and George Trachilis





Mike Wroblewski

Visual Aid



Row



Bless



Ski



My Background



Hill-Rom

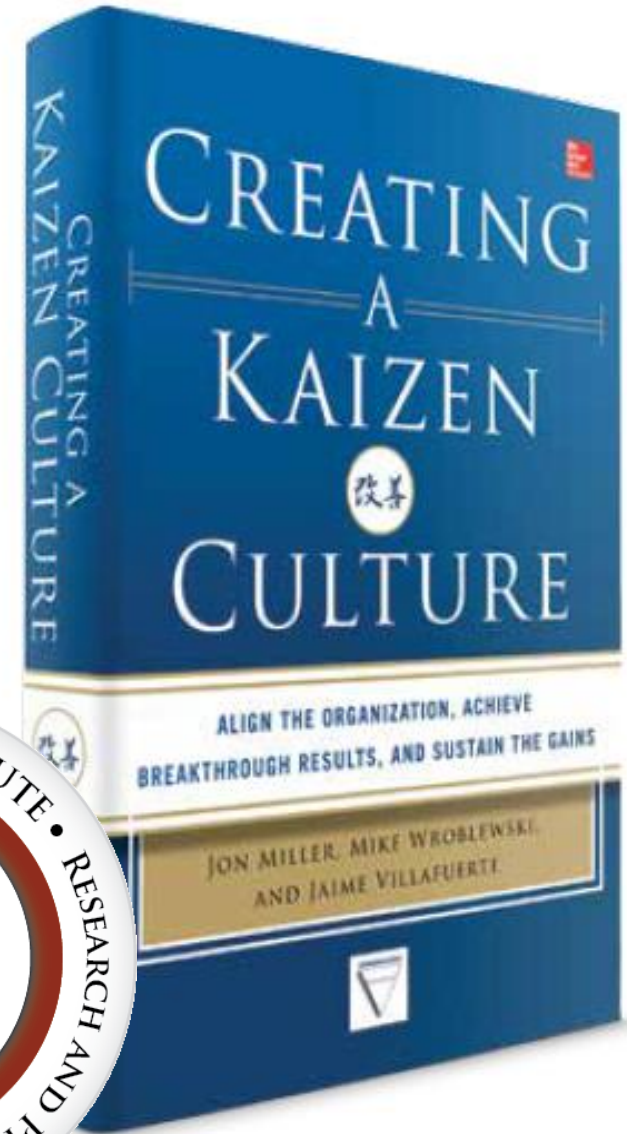


**Batesville Casket
Company**



What does it mean to create a Kaizen Culture?

“If kaizen is the work of making our processes better, creating a kaizen culture is the work of getting better at kaizen.”



2015 Shingo Award





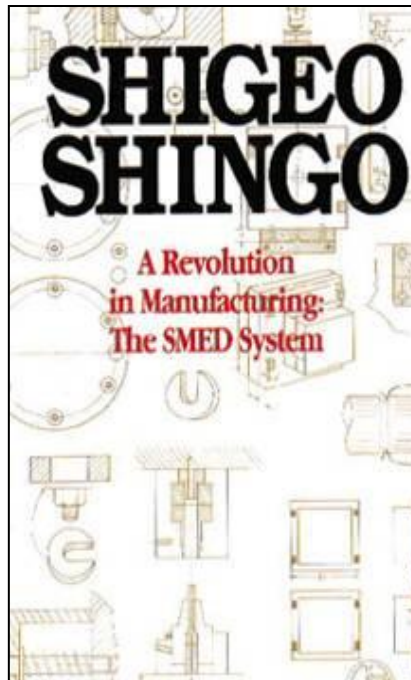
Clients





My Lean Introduction

1985
SMED
Lesson





“There are four purposes of improvement: easier, better, faster and cheaper. These four goals appear in the order of priority”.

Shigeo Shingo



Has your car ever broke down?

**Worst
possible
time**

Frustrating

\$\$\$\$\$



What is your Vision of Heaven?

**No
Breakdowns**

**Full speed
ahead**

No Defects

**Smooth
sailing**

**Immaculate
Workplace**



**No
Machine
should
leak!**





What about TPM Total Productive Maintenance?

50-50

“At least every second attempted installation of Total Productive Maintenance (TPM) results in failure”

Ed Hartmann, President of International TPM Institute



Beginning with Top Management

Management not willing to invest time or money.

....Investment does not get expected return

....Can't afford to put our best people on "this project"

....too complex of a system



TPM viewed as a Project to implement

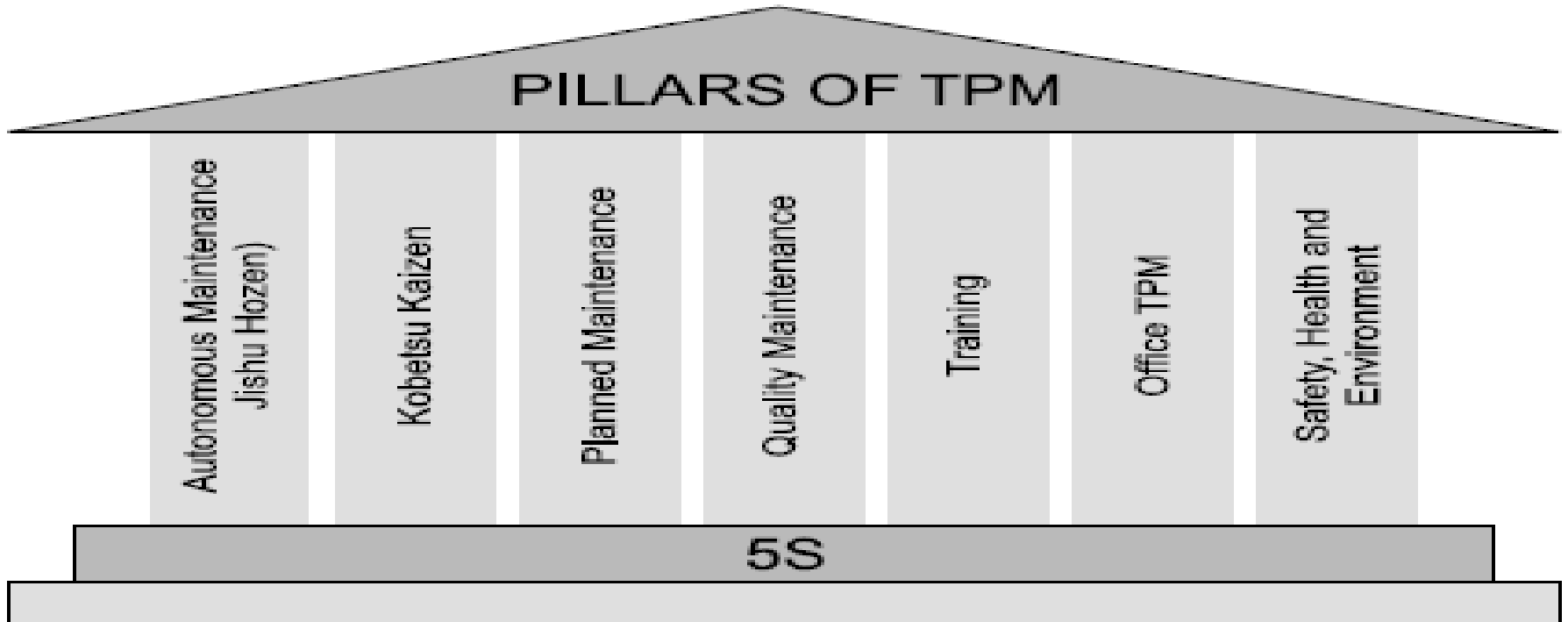
~~**PROJECT**~~

Just like most elements of “LEAN”

**It's just how we do things
It's ordinary daily work**



Common Failure Points TPM 8 Pillars



Autonomous Maintenance
(Jishu Hozen)

Kobetsu Kaizen

Planned Maintenance

Quality Maintenance

Training

Office TPM

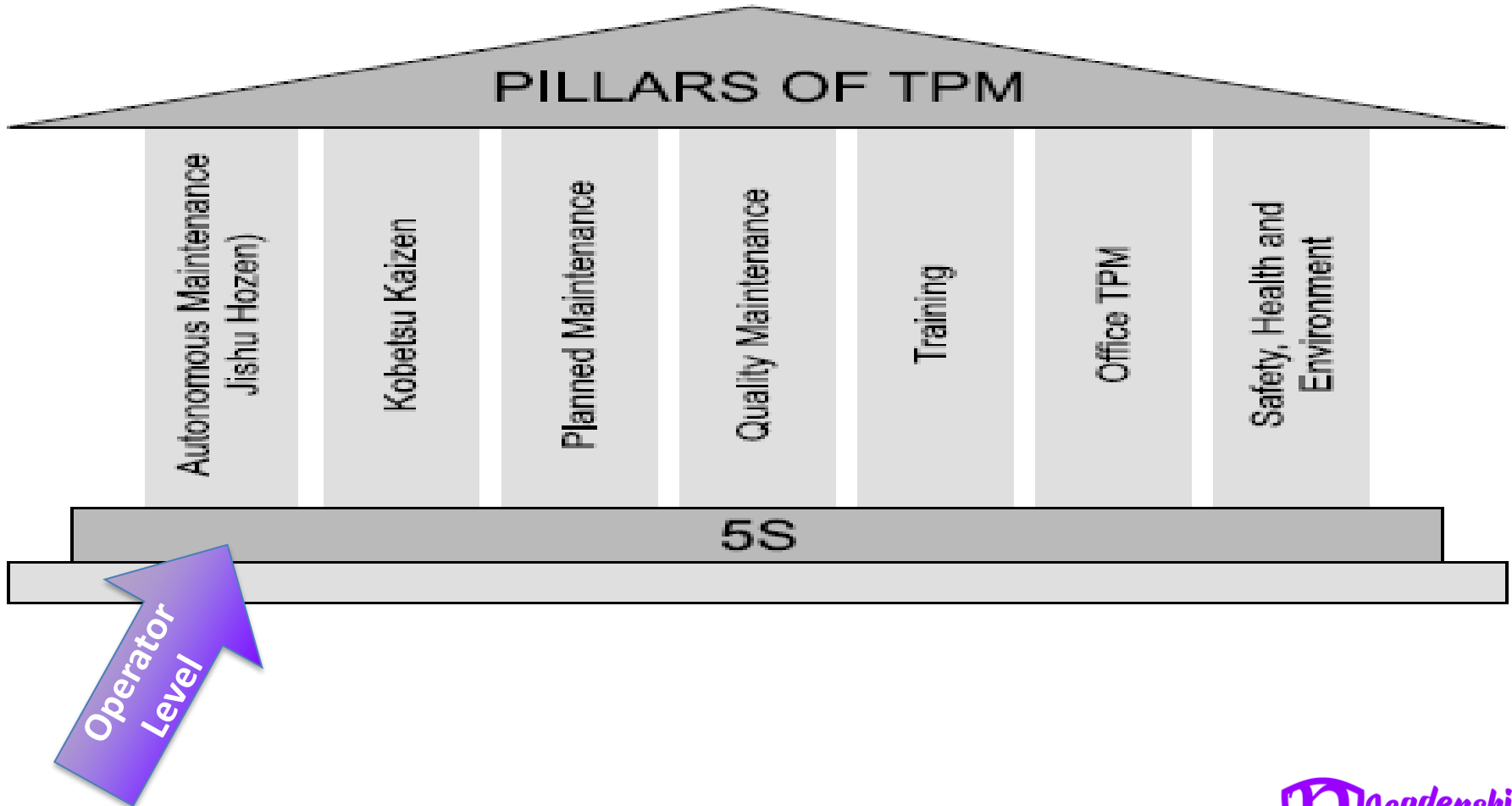
Safety, Health and
Environment

5S

Weak
Foundation



Common Failure Points TPM 8 Pillars





Other Important Issues

- No Comprehensive plan (or poor planning)
- No Buy-in
- Poor Problem Solving Skills (Getting to Root Causes)
- Poor Company Culture
- Toxic Employees
- Inadequate Training
- Weak Execution
- No Coaching/Mentoring/Follow-up



Learn from the TPM Model

How can we improve?



UPTIME

- **U**nderstand the losses
- **P**roblem Solving
- **T**eamwork
- **I**nvolve Everyone
- **M**aintenance Effectiveness
- **E**quipment Efficiency



What is your improvement Target?

Set a goal

50% Improvement this year

Another 50% Improvement next year

Another 50% Improvement the year after



“Be decisive. Right or wrong, make a decision. The road of life is paved with flat squirrels who couldn’t make a decision.”





Next Lesson

The **U** in UPTIME: Understanding the Losses