Worker Empowerment and Why it Works *Tools for Lab Staff

*Nurturing Staff to Feel Empowered and *Build a Culture of Confidence



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Definitions

- Lean- A systematic method for waste elimination or waste minimization
- **Toyota Production System (TPS):** The production system developed by Toyota Motor Corp. to provide best quality, lowest cost and shortest lead time through eliminating waste
- **Empowerment-** Employees have the authority to make decisions and take action in their work areas, within stated bounds, without prior approval

ASQ, (2019)

Is this Worker Empowerment?



"A team: a group of people with a high degree of interdependence geared toward the achievement of a goal or the completion of a task. They agree on a goal and agree that the only way to achieve the goal is to work together" (Parker, 1990, p. 16).

There are many groups with a common goal that are not teams There are many teams that are not empowered

• Authority to make decisions- without prior approval

What is Worker Empowerment

Giving **employees** a certain degree of autonomy and responsibility for decision-making regarding their specific organizational tasks.



https://study.com/academy/lesson/employee-empowerment-definition-advantages-disadvantages.html

The History of Worker Empowerment

History of Continuous Improvement Methods



1902

Sakichi Toyoda developed

- Stop the line
- 5 Why's
- Root cause analysis



		1990
1950 W. Edwards Deming Statistical Process Controls to Japanese businesses	1950's Taiichi Ohno develops the Toyota Production System (TPS)	The Machine that Changed the World-term Lean Womack et al. (1990)

Beginnings of Worker Empowerment

• 1902-Sakichi Toyoda- Stopped the line on the loom and invented a specific way to detect a broken loom



The Worker



1. Autonomation began: Contribution, empowerment, self responsibility

2. 5 Why's - Root cause analysis: The worker is closest to the work

3. Visual controls to assist workers solve problems

Stop to fix the problem

http://2000gt.net/Histoire/Toyota1.php

Go to the Gemba

Employees Brainstorming – autonomy decisions





History of Continuous Improvement Methods



Sakichi Toyoda developed stopped the line/5why's

Mean While in America.....

"Historical fact: People stopped being people in 1913. That was the year Henry Ford put his cars on rollers and made his workers adopt the speed of the assembly line. At first, workers rebelled. They quit in droves, unable to accustom their bodies to the new pace of the age. Since then, however, the adaptation has been passed down: we've all inherited it to some degree, so that we plug right into joy-sticks and remotes, to repetitive motions of a hundred kinds."

- Jeffrey Eugenides, <u>Middlesex</u>



https://www.gettyimages.com/photos/fordmotor-

company?sort=mostpopular&mediatype= photography&phrase=ford%20motor%20c

Why the speed of the Assembly Line?

- Fierce competition with General Motors in the 1920'S
 - Provide better cars for the general public
 - Increase stores of inventory

Ohno, (1978)

Speed of six feet per minute



The Beginnings of Worker Empowerment



W. Edwards Deming Statistical Process Controls to Japanese businesses

1950





1950's

Ordinary people doing extraordinary things in a historic outdated laboratory



Eighty-five percent of the reasons for failure are deficiencies in the systems and process rather than the employee. The role of management is to change the process rather than badgering individuals to do better.

— W. Edwards Deming —

AZQUOTES

Worker Empowerment

- 1) Front line decision making
- 2) Continuous training and empowerment
- 3) Trust between employees and managers
- 5) Boundaries are clearly defined
- 6)Employees have mentors
- 7) Provide Lean tools



https://thethrivingsmallbusiness.com/employee-empowerment/

https://www.naturalnews.com/technology.html

History of Lean



Taiichi Ohno develops the Toyota Production System (TPS)

1950



Lean? What is it?

•

• Principles, tools and concepts to eliminate waste





What Does it Take to Implement Lean Management?

1. Leadership willing to take a risk and focus on the priority

2. Managers willing to lead the effort

- 3. Support group to educate and guide the effort
- 4. Employees willing to participate
- 5. Leadership willing to reward

1.Leadership Support

Leadership Willing to Take A Risk



Encourage team work

Commit to the success of the project

Create a vision for the team and help personalize it

Focus on relationships

Be available

Offer Support

https://blog.kevineikenberry.com/leadership-supervisory-skills/six-ways-leaders-can-support-team-success/

Transactional Leadership

 Belief: "Empowerment occurs when higher levels within a hierarchy share power with lower levels within the same hierarchy"





Define the what, why, benefits of the change and what the dangers if it doesn't happen



https://www.forbes.com/sites/ellevate/2015/01/27/9-things-leaders-must-do-to-create-a-transformation/#12555b751e98

Leadership Training

 Upgrade executives and leaders skills in change leadership?



https://www.forbes.com/sites/ellevate/2015/01/27/9-things-leaders-must-do-to-create-a-transformation/#5bb6a9361e98

https://pathology.weill.cornell.edu/clinical-services/molecular-and-genomic-pathology/molecular-pathology-laboratory

2. Managers to Buy in and Lead the Effort



Maturity in Integrating Lean and Business Strategy

From The Toyota Way to Continuous Improvement by Liker & Franz

Agile Organizational Structure

Leader and Team Formation
 Meeting and schedules
 Responsibility?



Performance Goals

Goal Setting PECIFIC EASURABLE CHIEVABLE **R**EALISTIC IMELY

Number of Specific Goals? Data for measure? What are the expected outcomes? How close is the goal? Potential due date?



1 Process improvement

X 100 employees. = 100 per quarter

https://www.businessmanagementdaily.com/45995/how-to-set-and-measure-performance-goals/

3. Support Group: Educate and Guide



Leader: provides rationale- Why are we doing this?
 Educate in the concepts, tools and principles of Lean
 Serve as a mentor

4. Employees: Willing to Contribute

- Not afraid to participate
- Willing to assist the leadership
- Creativity and innovation

Frustration Free!

Continuous Improvement: Tools

- Organizational structure
- Performance Goals: Staff goals aligned to strategic goals
- Data Collection Tools
- Graphs
- Presentation



5. Leadership: Provide the Vision



Provide Vision

The Lab World



Lab Testing as % of Total National Health Expenditures % Influence on Patient Treatment Outcomes



Leverage Data

- Establish database consistency
- What would you like to measure?
- Measurement helps determine data sets to use

- Using measurements to improve decision-making
- Monitor performance and continuously improve outcomes
- Establish a regular schedule of data extraction and interpretation



"In God we trust. All others must bring data." -W. Edwards Deming



Present Outcomes

- Graphic presentation of successes and challenges
- Capture key metrics per department
- Trend over time to compare changes

- Summarize department metrics in to one dashboard
- Regularly present dashboard on a monthly or quarterly basis
- Use dashboard to inspire and motivate employees



Each department should have their own dashboard



Department Dashboards

Sample Count vs Claims Submitted



Actual Collections vs Expected Collections



Total Deposits
Expected Collections Based on Charges



KPIs should set expectations and manage performance



AM SHIFT						
8/10/18						
Accession #	Error	Data Entry	Corrections			
-0083	Client #	NM	AJ			
8/11/18						
-0219	Test code	NM	HN			
8/14/18						
-0332	Test code	NM	AJ			

Managing Performance





"When you have confidence, you can have a lot of fun. And when you have fun, you can do amazing things."

-Joe Namath

Culture of Confidence



Any Questions?



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