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Lean IT in a nutshell

Régis Medina







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October 13-14, 2011 - Paris



regis.medina@operae.fr http://www.operae.fr

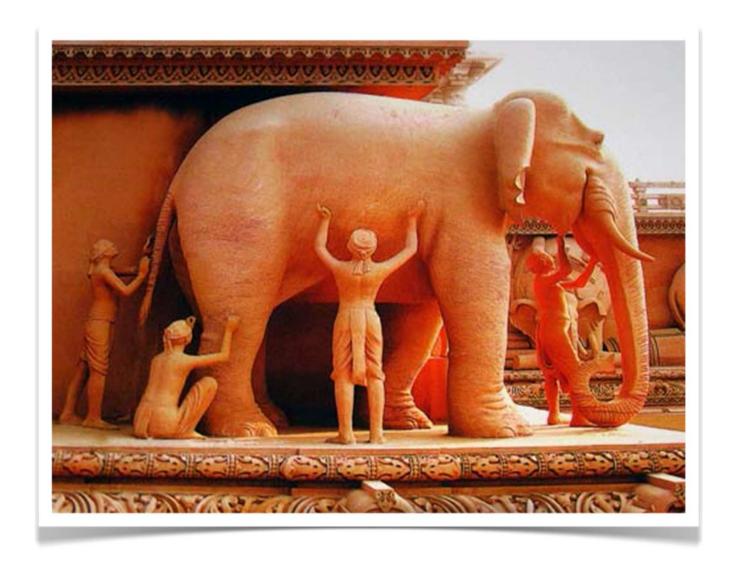


What is lean?

Just in time Andon Standardized work **SMED** 5S Work standards Heijunka Jidoka Small batches Kanban **Autonomation** Continuous improvement TWI TPM Bottleneck Poka yoke Cycle time Muri One-piece flow Push **PDCA** Gemba Five whys Muda **A3** Kaizen Hoshin kanri Teamwork Pareto charts Pull Red bins Takt Toyota Way Genchi Genbutsu Mura Lead time Work cells Value stream mapping Kaikaku Muri Overall process effectiveness Visual management Catch-ball Bottleneck



What is lean?





A business model

Completely satisfy the customer

by providing a perfect product or service

Reduce lead time and costs

by eliminating waste

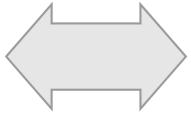
by Developing people

through problem solving



Satisfying the customer

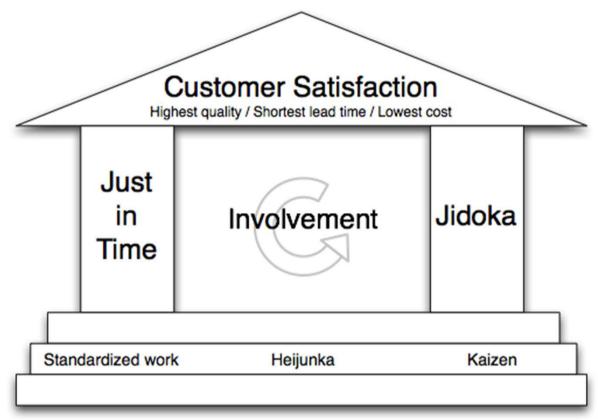




Value



Reduce lead time and cost

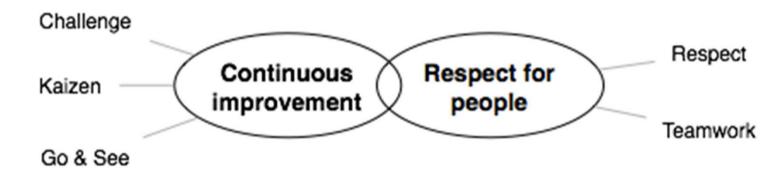


Toyota Production System

An ideal of operational efficiency



Developing people



Toyota Way 2001

An ideal of management



A daily practice

Visualize the production to reveal problems

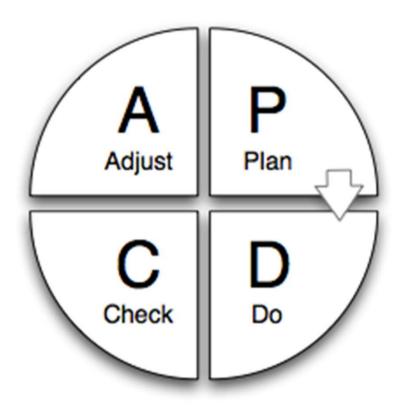
React immediately

Solve problems one by one

To improve management practices



Continuous improvement





Towards a lean IT organization

Develop a kaizen spirit in every employee

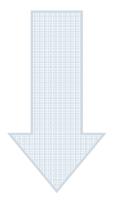


Roadmap



"The IT organization answers quickly and completely to my support requests"

► Support



"The system works perfectly"

"The system is suited to my needs"

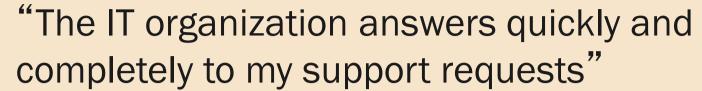
► Maintenance



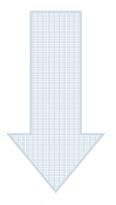
"The system supports my own improvement efforts" ▶ Projects







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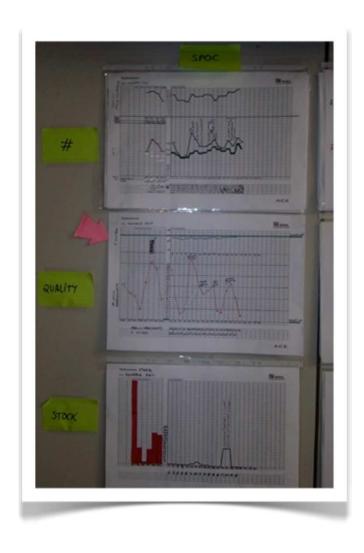
► Maintenance

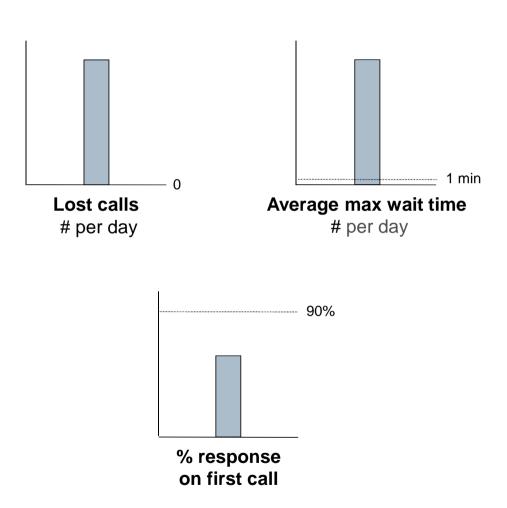


"The system supports my own improvement efforts" ▶ Projects



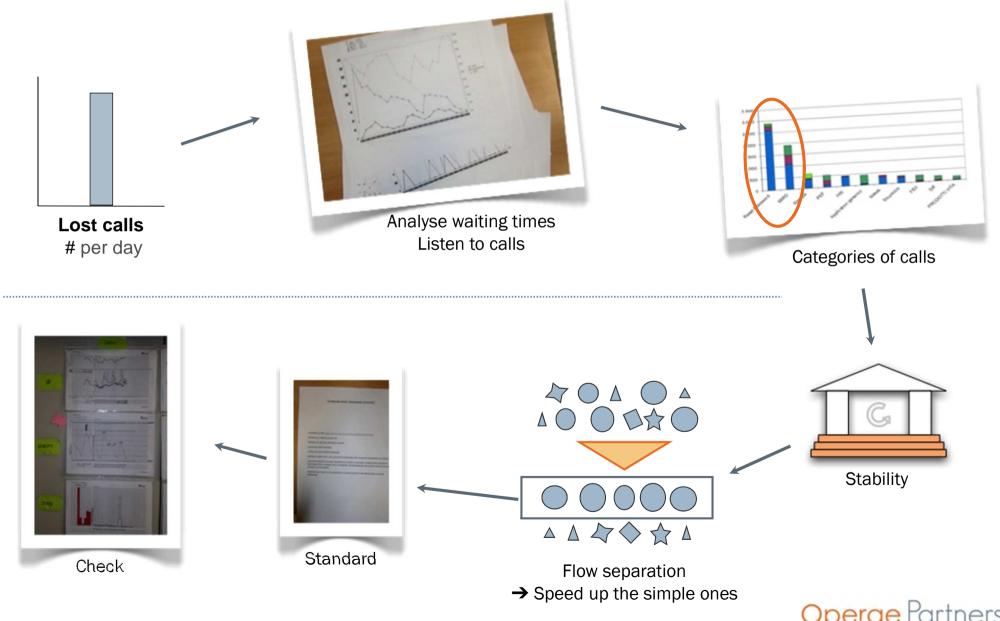
Initial context



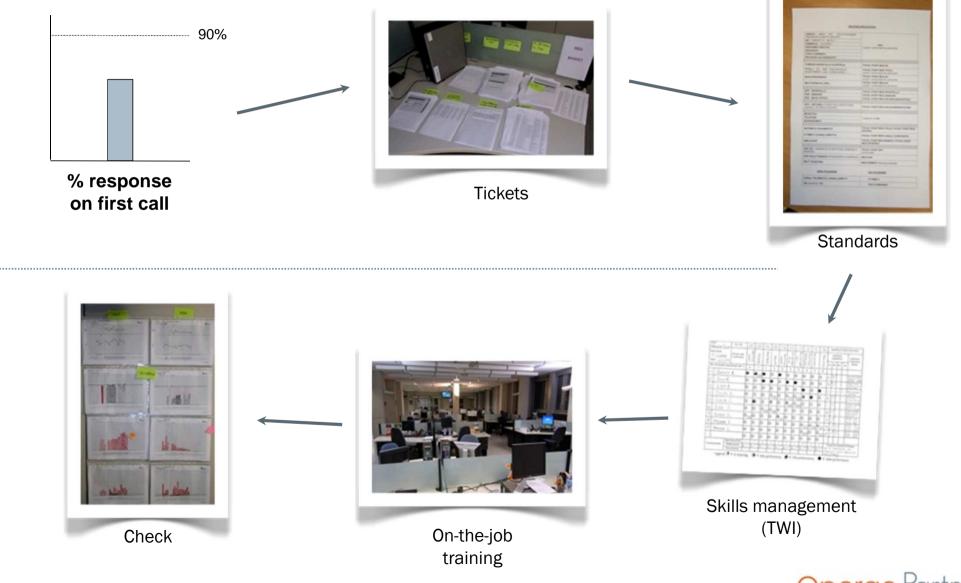




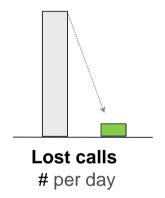
Separation of flows

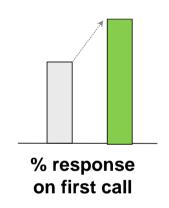


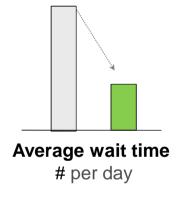
Standardize and train



Results









Lessons learned

Flow / load management

Call analysis & structure

Knowledge about IT systems

Next steps

Improve customer experience

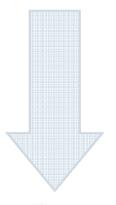
Eliminate need for calls





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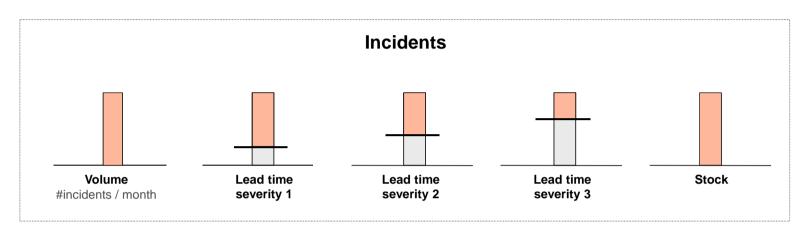
► Maintenance



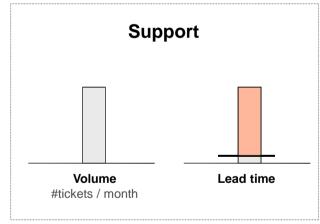
"The system supports my own improvement efforts" ▶ Projects



Initial context

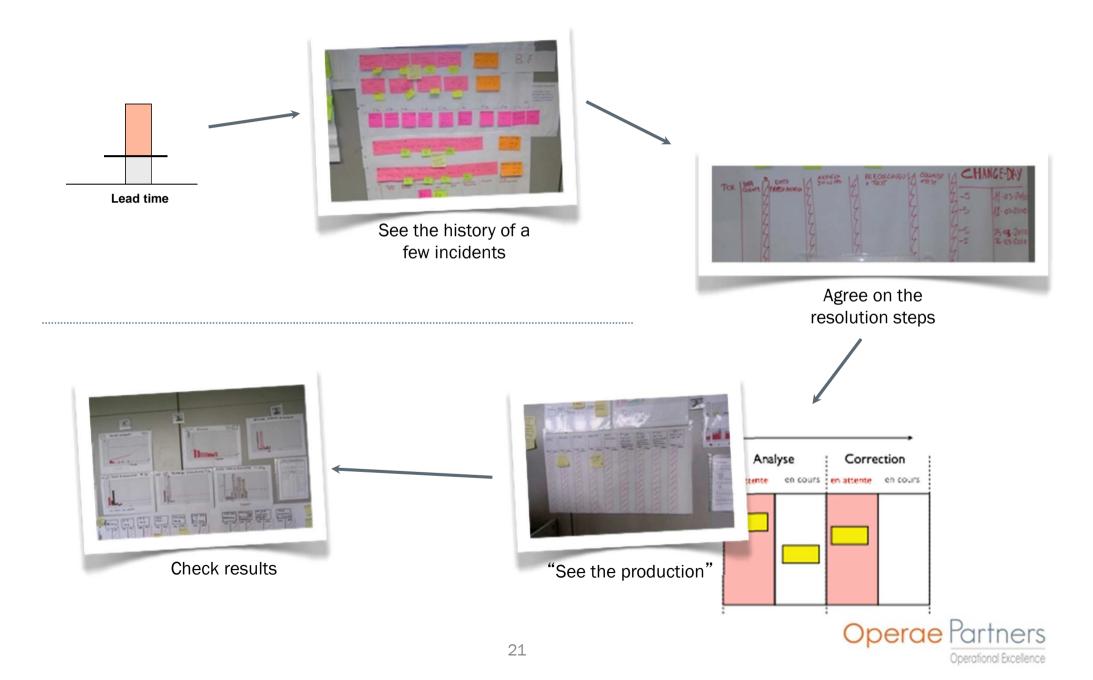




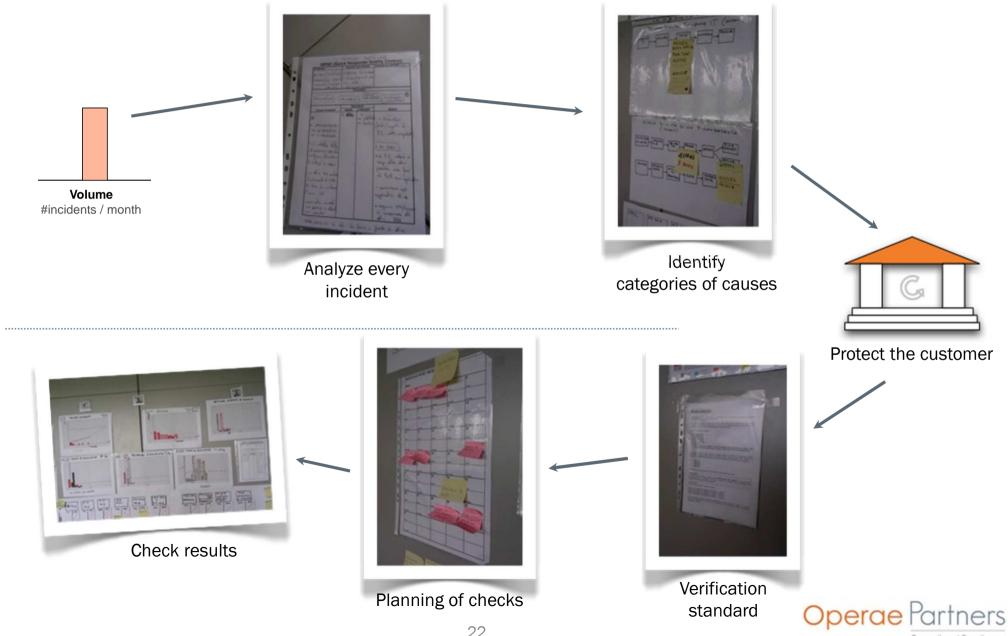




Speeding up the resolution of incidents

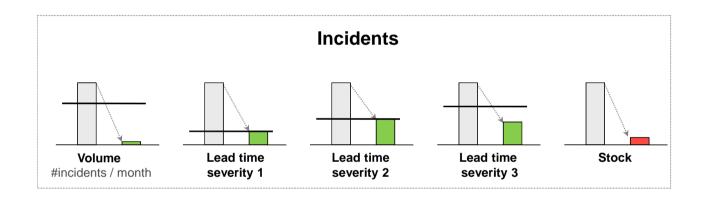


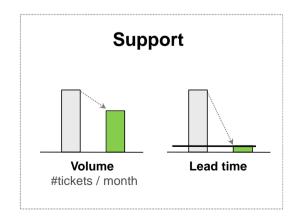
Recucing the number of incidents



Results









Lessons learned

Identification of system vulnerability points

How to improve usability (error messages, etc.)

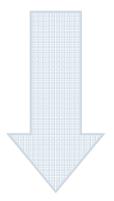
How to write usable guides





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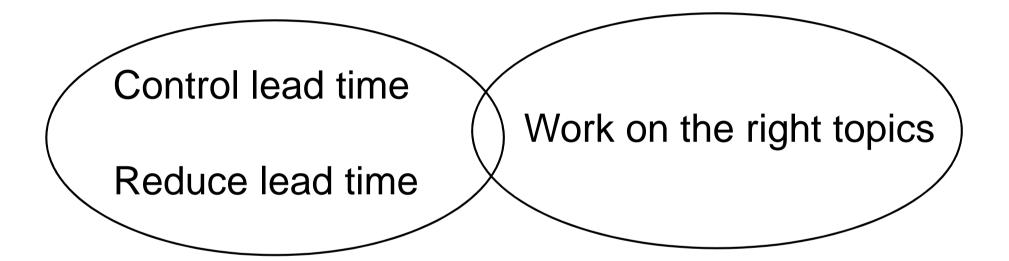
► Maintenance



"The system supports my own improvement efforts" ▶ Projects

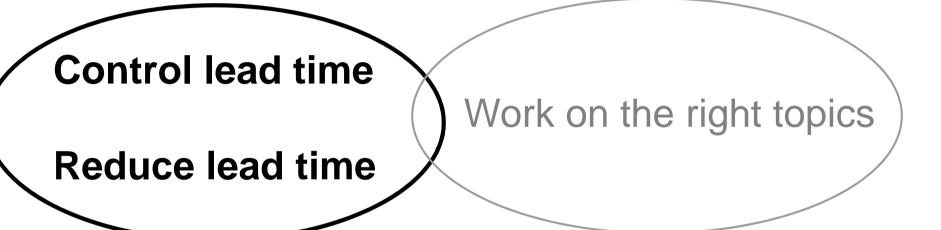


Project improvements





Project improvements

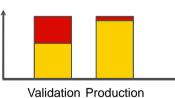




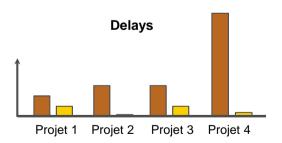
Initial context



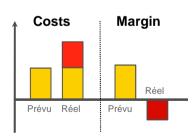




Quality



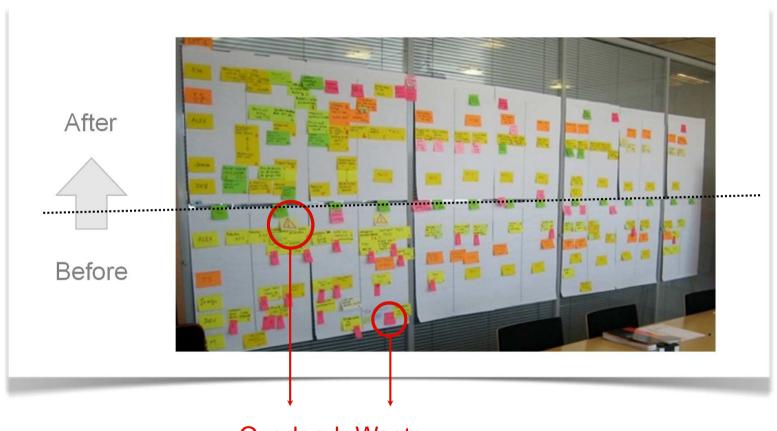
Lead time



Costs



Analysis of causes

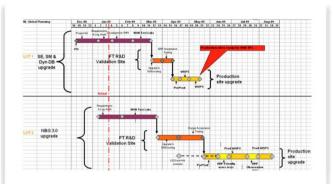






"Pull"





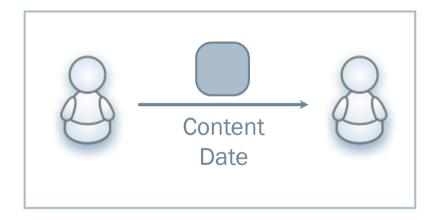
Global planning



Project milestones



Daily monitoring





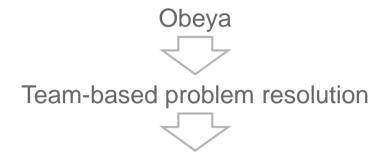
Obeya





Standards





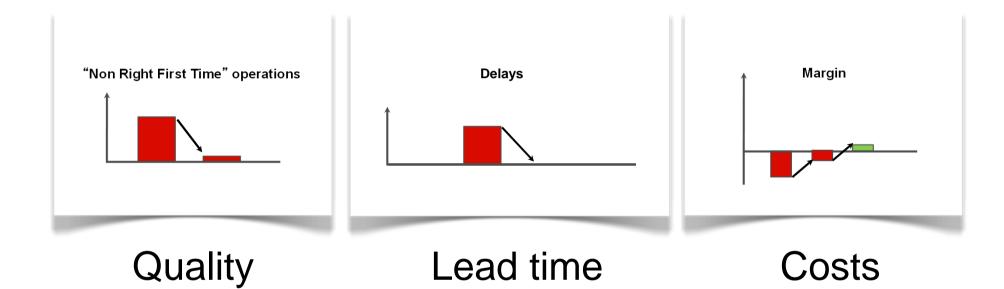
"Production release" checklist "System install" checklist

"Production release" template with customer prerequisites

Test website
Automated tests
etc.



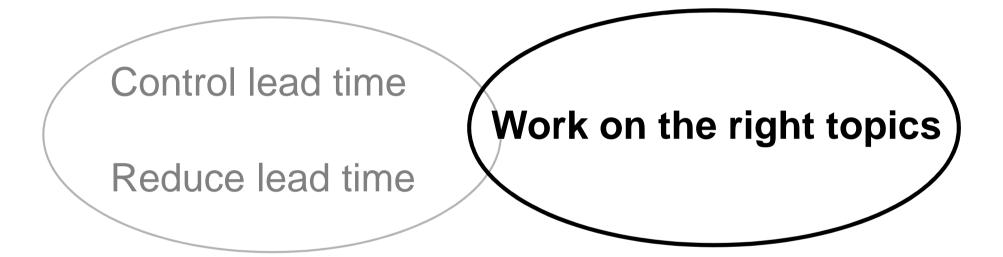
Results





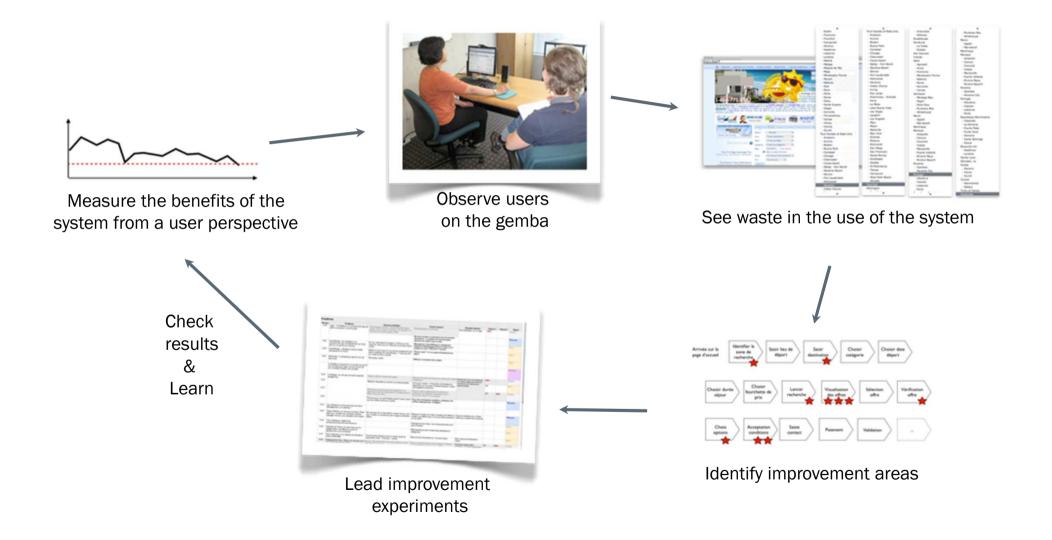


Project improvements





Software kaizen



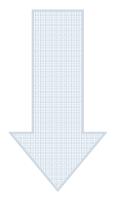


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► Maintenance



"The system supports my own improvement efforts" ▶ Projects



Conclusion



Summary

Customer first / create (or restore) value

Tools are used for a purpose

A rigorous problem solving process

Developing people before making parts



Not so easy

Risky tools

Reveals problems, some of them deep

Find time to solve them



Very first step?

What muda am I inflicting on my own users?



Merci!

► http://www.operae.fr

Régis Medina regis.medina@operae.fr

