Simple DX at the Plant Floor, How Smart and Cheap Digitalization Helps to Reduce Muda

Simple DX - By Martin Alejandro Lopez

….if digitalization does not reduce workload or provide real-time actionable information clearly it was developed without a purpose…..

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….some information about your speaker:
46 year old Mechanical Engineer Born in Argentina that got specialized in process/product improvement and project management now working as Manufacturing General Manager of Toyota Boshoku Argentina with nearly 28 years working experience most in automotive industry.
Proud father and husband still playing basketball….

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….the world is changing as the saying said what you have made to get where you are non necessarily take you were you would like to go….

Japanese Organizations were always focused on Genshi Genbutsu while Managing Process in a way that even you can control processes with a pen and a marker.

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....the world is changing as the saying said what you have made to get where you are non necessarily take you were you would like to go....

However we understood that the world was moving while we were standing still, we were in deed proud of our achievements but we needed a **CHANGE.**

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….digitalization is not a purpose is just a tool….

How to start from scratch?
If you don't afford fancy stuff?
If your IT guys are running behind traceability systems to avoid your customer line stop?

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….digitalization is not a purpose is just a tool….

It does remind me some "Agile Stuff" that is actually a very true Kaizen rule

MAKE THE SMALLEST AND EASIEST STEP TOWARDS THE RIGHT DIRECTION!

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….digitalization is not a purpose it's just a tool….

Can you figure out some easy right directions?

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….there is always a low hanging fruit….

- Avoid Printing use **Projectors** or **Monitors** to show the stuff you might print!

Specifically applies to daily or weekly meetings not to special A3s presentations

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....there is always a low hanging fruit....

- Are you using your company software for real?

Companies have licenses that are used no higher than 10% you might have already software that you think should be purchased

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….there is always a low hanging fruit….

- Are you using your company software for real?

Looking for low level training at Access, Excel, Word, PowerPoint, Power Bi, Sharepoint, Teams can give you huge advantages and if your company is open the web based stuff is even better

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….ok what's next….

Imagine your manufacturing floor already removed printing muda, you use your available software at 100%, you gather available data from your PLCs manage projects and open issues in paperless nets that continuously improves you are actually having available time from your team

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....ok what's next....

I will use slide 13 carefully! By a few don't think twice if a "new software" or "innovative tool" have a long lead time and it does not have flexibility <remember what got you here might not get you there>

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….ok what's next….

Long projects should be prepared in stages and each stage needs to provide VALUE if it doesn't at least needs to provide Infraestructure for the future.

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….ok what's next….

Always Level up, move from print to screen, move from manual data to automatic, move from daily report to hourly, move from hourly to by event and then get to an instant.

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….ok what's next….

Always Simplify, if the machine is simple and the AI makes the difference try it for sure. Complicated machines with AI are for big players and might not add enough value or might get obsolete earlier than in production.

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….ok what's next….

Look for flexibility and versatility, that can be managed by "you", your team, your members if small changes requires contractors you will be tied to them.

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….ok what's next….

Always Have the Purpose in your mind what benefit you will have from digitalizing? Evaluate by country differences, wages, education and proactivity.

And never give up ☺

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