

WHY: Strategy@BhP



Leadplant responsibility to achieve EXCELLENCE in processes and costs



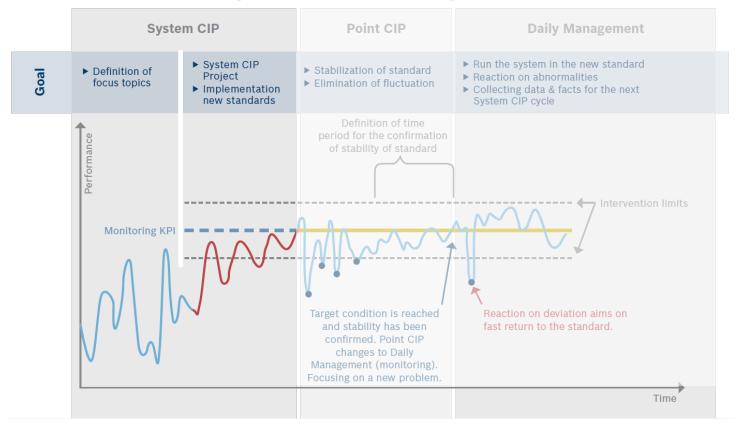
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WHAT: Continuous Improvement System



Standardized, interlocked and worldwide continuous improvement according Bosch Production System



WHAT: System CIP IPN in a Nutshell

• 2002 First IPC meeting

90 Participant Trust

Leadplant survey in 2017 Feedback round each meeting

3 Days Workshop in different plants:

Information
Discussion
Decissions

11 Plants

Standardized

Equipment Processes Common Targets 2 Meetings per year





RESULT: Value Add

Focus Cells

Derived from paretochart of failure downtime in Tableau



Failure Identification

Zoom in on the failure mechanism based on failure code and software



Failure Analyzation

Based on Tableau, Drawings, Line-walk, IPNexperience, ...

Step

Step 8

Solution tracking

Follow-up of effectiveness



6

Worldwide roll-out

Transfer the same solution in the whole IPN. Complete documentation and transfer for new lines.

Pilot Implementation

Copy of an existing solution in the IPN or implementation of a pilot solution with digital notation

100% UNDERSTANDING OF FAILURE MECHANISM

Step 4

Derivation of a Solution

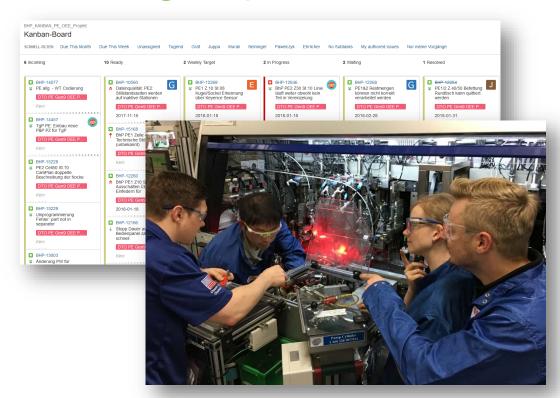
One simple solution that is useable in the whole IPN Target: 0 failures with all parts in specification



RESULT: Value Add BhP-TEF 4-column-system Short- and long-term video analysis By using GoPros / Smart Cams Wear on separation-needle Feed AV spring | locking cover open | 2 57,0 Feed EV spring - ABS | Zufuehrung Feder Verein.. | 243.0 Analysis of separation process Feed AV spring | separator - D005 K183: dejamin.. | 19 16,0 Downtime based on tableau **Detailed analysis of** Target= 100% failure Failure identification through Failure analysis of feeding hardware, software as well as understanding and decuction and separation process tableau and pareto process parameters of activities



Following Steps: Continuous to work as ONE TEAM ww!



- ► Using different tools according needs of team like sharepoint, OneNote, JIRA..
- ► Reduce IPC frequency in our value stream from 6 to 3 months (!)
- ▶ Meet on-site in each plant to ensure "go to gemba"

Increase efficiency in problem-solving by using ww know-how and competencies for PE9



THANK YOU

