



Heading towards demand-driven assembly with eKANBAN

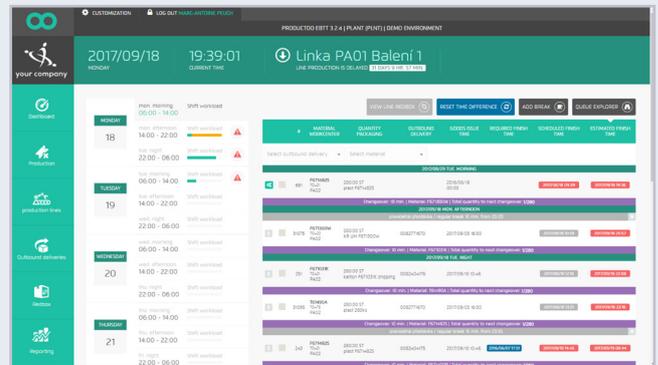
WHY?

1. Focus on what matters both now and in the near-term
2. Respond to customer and demand evolutions
3. Maximize inventory efficiency
4. Eliminate waste and avoid over-production
5. Promote a better and faster decision-making

OPERATIONAL GAINS

Kanban board: View as of 13:54:22

Pl. #	Ready to	Description	Prod group	ID	Material	Material description	Status	Qty	Weight	Actual qty	Cum. Qty	ID number	DivID	SO desc.	Lead	Est date	Est time	Self-req	Custom
P001	CCAL	Assy Inv A1	HAP_MPS_1	FISG-MAP	BOWIG 2205045 VN	DISPAT	6	0	806	20929	80019732	10	17.07.2015	00:00:00	CST:04:01	CST:04			
P001	CCAL	Assy Inv A1	HAP_MPS_1	FISG-MAP	BOWIG 2205045 VN	DISPAT	150	0	176	20928	80019732	10	17.07.2015	00:00:00	CST:04:01	CST:04			
P001	CCAL	Assy Inv A1	HAP_MPS_1	FISG-MAP	BOWIG 2205045 VN	DISPAT	150	0	1126	20918	80019732	10	17.07.2015	00:00:00	CST:04:01	CST:04			
P001	CCAL	Assy Inv A1	HAP_MPS_1	FISG-MAP	BOWIG 2205045 VN	DISPAT	150	0	1276	20961	80019732	10	17.07.2015	00:00:00	CST:04:01	CST:04			
P001	CCAL	Assy Inv A1	HAP_MPS_1	FISG-MAP	BOWIG 2205045 VN	DISPAT	6	0	3242	20926	80019732	10	17.07.2015	00:00:00	CST:04:01	CST:04			
P001	CCAL	Assy Inv A1	HAP_MPS_1	FISG-MAP	BOWIG 2205045 VN	DISPAT	6	0	3248	20927	80019732	10	17.07.2015	00:00:00	CST:04:01	CST:04			
P001	CCAL	Assy Inv A1	HAP_MPS_1	FISG-MAP	BOWIG 2205045 VN	DISPAT	6	0	3269	20933	80019732	10	17.07.2015	00:00:00	CST:04:01	CST:04			
P001	CCAL	Assy Inv A1	HAP_MPS_1	FISG-MAP	BOWIG 2205045 VN	DISPAT	6	0	3290	20936	80019732	10	17.07.2015	00:00:00	CST:04:01	CST:04			
Kanban status 4							180	0											
P001	CCAL	Assy Inv A1	HAP_MPS_1	FISG-MAP	BOWIG 2205045 VN	PRODUC	150	150	0	20997	80019732	10	17.07.2015	00:00:00	CST:04:01	CST:04			
P001	CCAL	Assy Inv A1	HAP_MPS_1	FISG-MAP	BOWIG 2205045 VN	PRODUC	150	150	0	20999	80019732	10	17.07.2015	00:00:00	CST:04:01	CST:04			
P001	CCAL	Assy Inv A1	HAP_MPS_1	FISG-MAP	BOWIG 2205045 VN	PRODUC	90	90	0	21001	80019732	10	17.07.2015	00:00:00	CST:04:01	CST:04			
P001	CCAL	Assy Inv A1	HAP_MPS_1	FISG-MAP	BOWIG 2205045 VN	PRODUC	150	150	0	20998	80019732	10	17.07.2015	00:00:00	CST:04:01	CST:04			
P001	CCAL	Assy Inv A1	HAP_MPS_1	FISG-MAP	BOWIG 2205045 VN	PRODUC	150	150	0	21000	80019732	10	17.07.2015	00:00:00	CST:04:01	CST:04			
P001	CCAL	Assy Inv A1	HAP_MPS_1	FISG-MAP	BOWIG 2205045 VN	PRODUC	150	150	0	20977	80019732	10	17.07.2015	00:00:00	CST:04:01	CST:04			
P001	CCAL	Assy Inv A1	HAP_MPS_1	FISG-MAP	BOWIG 2205045 VN	PRODUC	150	140	0	20989	80019732	10	17.07.2015	00:00:00	CST:04:01	CST:04			
P001	CCAL	Assy Inv A1	HAP_MPS_1	FISG-MAP	BOWIG 2205045 VN	PRODUC	6	6	0	20925	80019732	10	17.07.2015	00:00:00	CST:04:01	CST:04			
P001	CCAL	Assy Inv A1	HAP_MPS_1	FISG-MAP	BOWIG 2205045 VN	PRODUC	6	6	0	20928	80019732	10	17.07.2015	00:00:00	CST:04:01	CST:04			
P001	CCAL	Assy Inv A1	HAP_MPS_1	FISG-MAP	BOWIG 2205045 VN	PRODUC	6	25	0	20929	80019732	10	17.07.2015	00:00:00	CST:04:01	CST:04			
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P001	CCAL	Assy Inv A1	HAP_MPS_1	FISG-MAP	BOWIG 2205045 VN	PRODUC	6	6	0	20922	80019732	10	17.07.2015	00:00:00	CST:04:01	CST:04			
Kanban status 5							1,000	1,000											

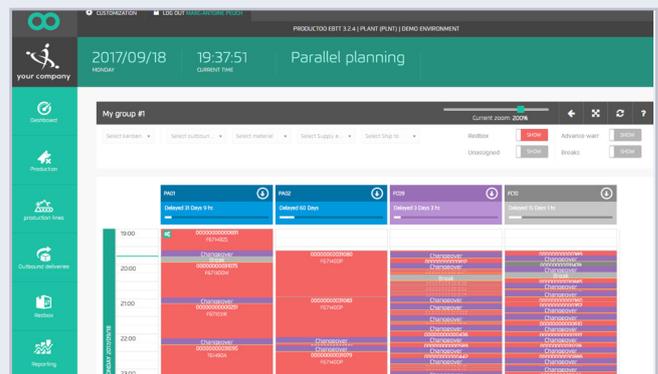
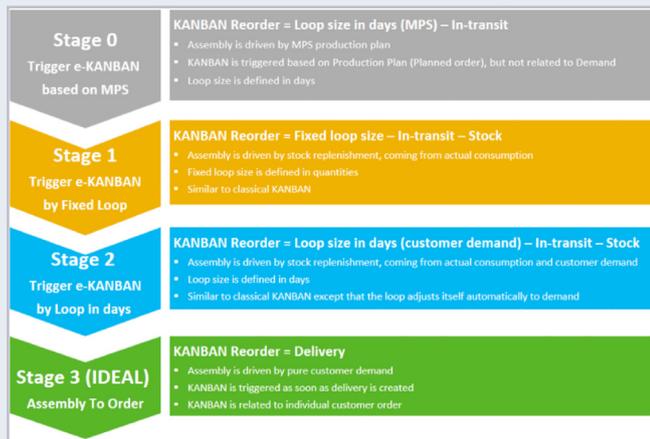


Paperless & fast

1000+ eKANBAN are created, sorted and dispatched without effort. Repetitive tasks are now eliminated.

Integrated

Assembly is now integrated with all surrounding functions. Process is now flexible. Planning and Execution are now reconciled.



Flexible

eKANBAN generation can be triggered by various inputs: delivery, forecast, planned order etc, making the solution flexible to various scenarios.

Monitored & leveled

Process can be now fully monitored. Assembly is leveled based on daily capacity agreed during MPS.

BUSINESS CONTEXT

Planning vs Execution

Planning cycle in ERP is relevant to provide forecasts or weekly plan, but is not responsive enough to drive Execution in shopfloor.

Day vs Minute

Planning in ERP is often on a daily bucket, whereas Execution focuses on a different time horizon and time scale. Hourly assembly plan is out of any system.

Paper or XLS-based

100+ papers are printed, sorted, dispatched every day to organize assembly. Or 10+ XLS files are spread across organizations.

Static/limiting

Process is sensitive to any kind of changes after sequencer cards were printed or XLS files were dispatched.

No automation

Repetitive tasks are repeated daily, without any automation.

Scale effect

Deploying physical Pull or sequencing organization to more than 1 line faces shortly a scale-effect where Supply Chain is bottleneck.

The Factory of Future...

Assembly and all supporting functions are orchestrated electronically towards the fulfillment of the Demand signal.

... is the Orchestrated Factory

eKANBAN SOLUTION IN A NUTSHELL

1 container = 1 eKanban

Electronic Kanban is the new signal to figure assembly requirements. From creation until shipment, its status evolves all along the process, within a one-time loop. Demand signal is broken down into individual eKanbans which initiates the Assembly sequencing & orchestration.

SAP add-on supports 4 assembly strategies

Electronic Kanban are created in SAP automatically after delivery or consumption is triggered. Four strategies are possible to fit with site organization status or maturity, and support a road map towards Ideal Demand-Driven model.

Sequencer is electronic!

Sorting, sequencing or dispatching activities are now managed in Productoo, with a cutting-edge Web interface. Shift, capacity, line output, change-over time etc are considered to provide you the most accurate schedule.



We know now what is about to be produced and when it will be available in the next minutes and hours.

