



Data Import via Excel – Operation data Upload

Challenges :

- ✗ PCP, PFD, pFMEA in Excel
- ✗ Offline updates
- ✗ Broken PLM linkage

Solution:

- ✓ Excel import & export
- ✓ Direct PLM synchronization
- ✓ Native to Aras Innovator

Process FMEA

Operation	Function	Failure Mode	Effect	Sev	Cause	Prevention	Detection	Risk	Action	Rsk	Role	Responsible	
1	Desc 215_1	op Fun1	FM 1	Effect 1	7	Cause 215_1	Prevention_1	detection 1	del1	My Action 13	DA	Rule 1	Piyush P.
2	Desc 215_1	op Fun2	FM 2	Effect 2	8	Cause 215_2		detection 2	del2	My Action 14	DA	Rule 1	Piyush P.
3	Desc 215_1	op Fun3	FM 3	Effect 3	7	Cause 215_3	Prevention 2	detection 3	7	My Action 14	DA	Rule 1	Piyush P.
4					7	New cause Effect 3		detection 3	3	My Action 22	DR	Rule 1	Piyush P.
5	Desc 215_1	op Fun4	FM 4	Effect 4	6	Cause 215_4	Prev Meas 3	detection 4	4	My Action 24	Rule 1	Rule 1	Piyush P.
6	Desc 215_1	op Fun5	FM5	Effect 5	4	Cause 215_5	Prev Meas 4	detection 5	del4 del5	My Action 24 Act 2_1_1	Rule 1 Rule 2	Rule 2 Rule 3	Piyush P.
7	Desc 215_1	op Fun6	FM 6	Effect 6	6	Cause 215_6	Prev Meas 3	detection 6	6	Act 2_2_1	Rule 3	Rule 3	Piyush P.
8	Desc 215_5	op Fun5	FM 5	Effect 5	5	Cause 215_5	Prev Meas 3	detection 7	del3 del4	Act 2_1_1 Act 2_2_1	Rule 3 Rule 3	Rule 3 Rule 4	Piyush P.
7					4	Cause 215_5		detection 5	del5	Act 2_3_1 Act 2_5_1	Rule 3 Rule 3	Rule 3 Rule 3	Piyush P.

Process Quality... x pFMEA.0000096 x

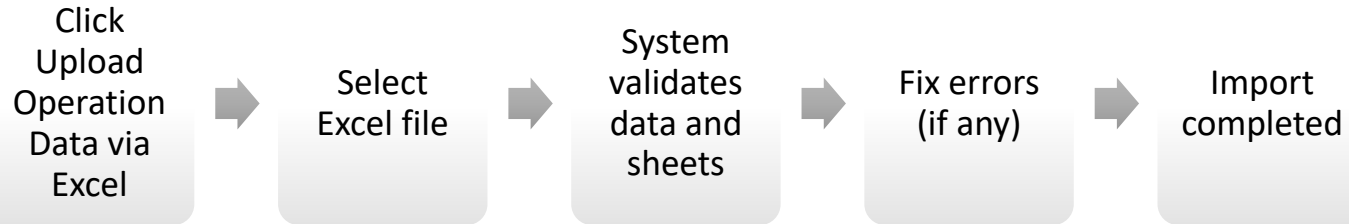
pFMEA.0000096

Process Control Plan

Operation			Characteristics				EM Technique			Control Method		
#	Description	Function	Processing Equipment	#	Spec.	Product	Process	Evaluation / Measure Technique	Sample Size	Sample Frequency	Control Method	Reaction Plan
1	Desc 215_1	op fun 1	PE1	1	*	Prod 215_1	P1	EMT 01	SS 9	SF 7	CM 01	Reaction P 0
1	Desc 215_1	op fun 1	PE1.1	1	*	Prod 215_1	P1	EMT 01	SS 9	SF 7	CM 01	Reaction P 0
1	Desc 215_1	op fun 1	PE1	1	*	Prod 215_1	P1	EMT 01	SS 9	SF 7	CM 01	Reaction P 0
1	Desc 215_1	op fun 1	PE1.1	1	*	Prod 215_1	P1	EMT 01	SS 9	SF 7	CM 01	Reaction P 0
2	Desc 215_2	op fun 2	PE2	2	*	Prod 215_2	Process with ET	EMT 02	SS 2	SF 6	CM 0	Reaction P 1
2	Desc 215_2	op fun 2	PE2	2	*	Prod 215_2_1	New process	EMT 1	SS 1	SF 2	CM 1	Reaction P 2
2	Desc 215_2	op fun 2	PE2	2	*	Prod 215_2	Process with ET	EMT 02	SS 2	SF 6	CM 0	Reaction P 1
2	Desc 215_2	op fun 2	PE2	2	*	Prod 215_2_1	New process	EMT 1	SS 1	SF 2	CM 1	Reaction P 2
2	Desc 215_2	op fun 2	PE2	2	*	Prod 215_2	Process with ET	EMT 02	SS 2	SF 6	CM 0	Reaction P 1

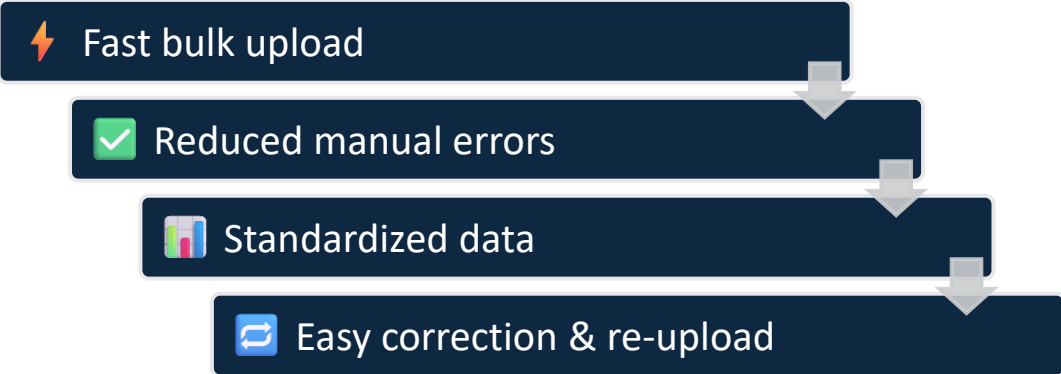
How It Works

Upload Operation Data via Excel



#	Description	Function	Processing Equipment	#	Spec.	Product	Process	Evaluation / Measure Technique	Sample Size	Sample Frequency
1	Desc 215_1	op func 1	FM 1	Effect 1	7	Cause for Effect 1	7			
2	Desc 215_2	op func 2	FM 2	Effect 2	8	New cause item created	7			
3	Desc 215_3	op func 3	FM 3	Effect 3		Machining operator				

Benefits



#	Description	Function	Processing Equipment	#	Spec.	Product	Process	Evaluation / Measure Technique	Sample Size	Sample Frequency
1	Desc 215_1	op func 1	PE1	1	*	Prod 215_1	P1			
2	Desc 215_2	op func 2	PE2	2	*	Prod 215_2	P2	EMT 1	SS 6	SF 1
3	Desc 215_3	op func 3	PE3	3	*	Prod 215_3	P3	EMT 2	SS 5	SF 2
4	Desc 215_4	op func 4	PE4	4	*	Prod 215_4	P4	EMT 3	SS 4	SF 3
5	Desc 215_5	op func 5	PE4.1	4.1	*	Prod 215_4_1	P4	EMT 5	SS 2	SF 5
6	Desc 215_6	op func 6	PE5	5	*	Prod 215_5	P5			
9	Desc 215_9	op func 9	PE6	6	*	Prod 215_6	P6			
10	Desc 215_10	op func 10	PE9	4.1	*	Prod 215_9	P9	EMT 9	SS 2	SF 9
11	Desc 215_11	op func 11	PE10	5	*	Prod 215_10	P10	EMT 10	SS 3	SF 10
12	Desc 215_12	op func 12	PE11	6	*	Prod 215_11	P11	EMT 11	SS 4	SF 11
13	Desc 215_13	op func 13	PE12	3	*	Prod 215_12	P12	EMT 12	SS 5	SF 12
14	Desc 215_14	op func 14	PE13	4	*	Prod 215_13	P13	EMT 13	SS 6	SF 13
16	Desc 215_15	op func 15	PE14	4.1	*	Prod 215_14	P14	EMT 14	SS 7	SF 14
17	Desc 215_16	op func 16	PE15	5	*	Prod 215_15	P15	EMT 15	SS 8	SF 15
		op func 17	PE16	3	*	Prod 215_16	P16	EMT 16	SS 9	SF 16



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