

## Program Management Gate Definition

Gates		Deliverables	Exit Criteria	Responsible
Plug In	Gate 1 Cell or Line Preparation	Team Assignment	Customer and LL team members agreed and assigned	LL Proj Mgr
		Plant Interview	Document KPIs, goals, process flow, expert knowledge	LL Proj Mgr
		Equipment Checklist	Document process equipment and key parameters (safety limits, etc.)	Cust. Process Eng
		Sensor Checklist	Document available sensors and key parameters. Confirm all relevant input and output variables can be measured.	Cust. Process Eng
		Network Devices Checklist	Document network devices. Confirm necessary devices are in place.	Cust. IT
		Connection Checklist	Document connections and complete checklist	Cust. IT
		Timing Plan	Timing plan completed and reviewed with plant	LL Proj Mgr
		Commercial Agreement	Confirm commercial agreement & other documents in place (NDA, etc.)	LL Proj Mgr
		Gate Review	Customer and LL teams sign-off	Joint
	Gate 2 Digitization	Line Digitization	Install PC, image, cloud connections. PLC tag mapping / integration validated.	Cust. Project Lead
		Validate Liveline Installation (Line Walk)	Line walk checklist completed	Cust. Process Eng
		Metadata Collection	If applicable, validate connection with non-sensor data sources (e.g. operator entry)	Cust. Process Eng
		Gate Review	Customer and LL teams sign-off	Joint
Learn to Drive	Gate 3 Controls	Controls - Build and Validate	AI and any rules complete, and functioning as intended	Cust. Process Eng
		Predictive Alarms - Build and Validate	If applicable, validate all SKUs and other configuration info	Cust. Process Eng
		Reporting - Build and Validate	If applicable, validate all SKUs and other configuration info	Cust. Process Eng
		Metadata Collection	If applicable, validate all SKUs and other configuration info	Cust. Process Eng
		Gate Review	Customer and LL teams sign-off	Joint
Control	Gate 4 Production Runs	Validate Controls Performance	KPIs achieved	Cust. Process Eng
		Validate Other Applications	If applicable: Predictive alarms, reporting achieve expected performance	Cust. Process Eng
		Satisfaction Survey	Completed operator/engineer surveys	Cust. Project Lead
		Train the Trainers	Training of the trainers is completed	LL Proj Mgr
		Train the Operators	Training of the operators is completed	Cust. Project Lead
		Metadata Collection	If applicable, operators are entering data for each run	Cust. Process Eng
		Gate Review	Customer and LL teams sign-off	Joint
	Gate 5 Final Sign Off	Impact Assessment	Assess KPIs over assessment period	Cust. Project Lead
		Documentation and Handover	All technical records complete and documented	Cust. Project Lead
		Support	Confirm ongoing support agreement w/LL	Cust. Project Lead
		Lessons Learned	Lessons learned are documented	Team
		Gate Review	Customer and LL teams sign-off	Joint