F&B INFRASTRUCTURE SELF-ASSESSMENT

How well does your infrastructure support food safety, uptime, traceability, and growth?

Score your plant across the five disciplines. Identify where infrastructure risk is building and where to act next.

	DISCIPLINE	KEY QUESTIONS TO ASK	CURRENT STATE	PRIORITY ACTIONS
1	**Zone Before You Spec** Design infrastructure for the environment, not the average.	• Do we have a documented zone map for our facility? • Are enclosure types, materials, and ratings aligned to each zone? • Do zones account for sanitation method, pressure, temperature, and chemical exposure? • Is the zone map used in engineering and procurement?	○ STRONG - 3 Fully implemented ○ IN PROGRESS - 2 Partially implemented ○ WEAK - 1 Minimal or not implemented	○ _____ ○ _____ ○ _____ ○ _____
2	**Calculate Cooling. Don't Guess It.** Base cooling on real conditions and verified calculations.	• Do we calculate heat load for every enclosure? • Are cooling selections based on calculated load and environment? • Do calculations account for worst-case ambient conditions? • Do we validate performance after installation?	○ STRONG - 3 Fully implemented ○ IN PROGRESS - 2 Partially implemented ○ WEAK - 1 Minimal or not implemented	○ _____ ○ _____ ○ _____ ○ _____
3	**Build a Standard Before the Next Line Launch** Create repeatable designs that scale across the plant.	• Do we have approved standard enclosures and components? • Are designs reused and adaptedinstead of recreated? • Are documentation and naming standards enforced? • Are OEMs and integrators required to follow the standard?	○ STRONG - 3 Fully implemented ○ IN PROGRESS - 2 Partially implemented ○ WEAK - 1 Minimal or not implemented	○ _____ ○ _____ ○ _____ ○ _____
4	**Build the Infrastructure Behind Traceability** Build the infrastructure that enables reliable traceability.	• Is data captured reliably at the source? • Does the network and edge infrastructure support traceability needs? • Are systems integrated across OT and IT? • Is data secure, available, and auditable?	○ STRONG - 3 Fully implemented ○ IN PROGRESS - 2 Partially implemented ○ WEAK - 1 Minimal or not implemented	○ _____ ○ _____ ○ _____ ○ _____
5	**Govern Change So the Standard Holds** Keep engineering knowledge current and standards intact.	• Do engineering records reflect what's actually installed? • Are standards updated and communicated? • Do we have version control for engineering data? • Do we review changes for impact on operations?	○ STRONG - 3 Fully implemented ○ IN PROGRESS - 2 Partially implemented ○ WEAK - 1 Minimal or not implemented	○ _____ ○ _____ ○ _____ ○ _____

Tally your current state score to learn overall rating — Total Score: ○ Strong foundation (12–15) ○ Developing (8–11) ○ Priority gaps (5–7)

The discipline is continuous. The food safety case is urgent

When the five disciplines work together, infrastructure becomes the competitive advantage your auditors, customers, and traceability program all depend on.

You've identified the gaps. Now build the plan.

See how to strengthen each discipline according to your Current State score

Get the playbook + see the framework

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