	0 Dark Ages of Data	1 Watch	2 Diagnose	3 Predict	4 Optimize
Current State Stack of notes (yellow)	The Quality Manager	Emma Marc The Operations Manager		The IT Director	The Data Scientist The "Bakery of the Future" Program lead
What's Working Stack of notes (green)	SCADA Investement on site A Old MES on site X	Historians on site X, Y and Z Our new CMSS New MES on site Y and Z ...	...	The Predictive Maintenance PoC on the Air Compressors of Site Z ...	Our Christmas Production Plan Data Project with Marketing and Sales
Blockers Stack of notes (red)	No Network access to SCADA on Site B Site C only has standalone HMI's ...	New MES on site Z not accepted by Operators - Too rigid for the late shift!	New Global OEE report in our BI tool is often wrong and slow to load ...	Cannot integrate data from the historians into our Cloud Data Warehouse ...	I'm the only Data Scientist :(

Grouped Blockers

(by moderator)

	0 Dark Ages of Data	1 Watch	2 Diagnose	3 Predict	4 Optimize
Future State 					

	0 Dark Ages of Data	1 Watch	2 Diagnose	3 Predict	4 Optimize
Future State With Scores					

Data Maturity Workshop Moderation Guide

We use a simple five-stage model to assess digital maturity. It's not about judging whether you're "good" or "bad"—it's about understanding your starting constraints so you can make smart decisions about what to tackle first.



- **Stage 0: The Dark Ages of Data** — Your starting point. You have SCADA systems, PLCs, DCS systems, or digital metres collecting data. The instrumentation exists. The data exists. But it's trapped inside those systems, inaccessible to anyone outside the control room. From the Data Platform Capability Map perspective, this is just the left side of Figure 21—data sources with no connections. We call this the "Dark Ages" not because your SCADA system isn't sophisticated (it might be excellent), but because the data can't escape.
- **Stage 1: Initial Visibility, or the "Watch" stage** — You've added historians, MES systems, or basic data collection platforms. Users can now access data if they know where to look or what queries to run. But context is still missing. Tags like `L15.T01A.PV` mean something to an experienced operator, but not to a data scientist. Data is visible, but not understandable.
- **Stage 2: Discover, or the "Diagnose" stage** — Asset hierarchies are defined. Production context links sensor data to batches, products, and orders. Maintenance records tie to specific equipment. This is where real scaling begins, because context makes data reusable across use cases.

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