Smart factories break on unstable internet networks

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faster to the future

Why manufacturing transformation now depends on deterministic connectivity

The internet network is no longer behind the factory floor — it is part of it.

The factory floor has changed and it's putting pressure on internet networks

- **AI-driven operations**
- **Industrial IoT**
- **Cloud platforms**
- **Real-time machine communication**

92%

Source: Deloitte

of manufacturers say smart manufacturing will drive competitiveness over the next 3 years.

Most manufacturing internet networks were never built for this

MANY MANUFACTURERS STILL RELY ON:	WHICH CREATE:
Fragmented providers	⚠ Latency spikes
Legacy MPLS	⚠ Packet loss
Best-effort internet	⚠ Operational instability
Inconsistent site performance	⚠ Limited visibility

When connectivity fails, operations feel it

In smart manufacturing environments, milliseconds matter. Unstable connectivity can lead to:

- Production slowdowns
- Machine synchronization failures
- AI accuracy issues
- Quality control gaps
- Downtime and rework

$5,600/min

Source: Gartner

Internet network downtime costs enterprises an average of $5,600 per minute.

AI only increases the pressure on manufacturing internet networks

AI systems rely on continuous real-time data flows. When connectivity becomes unpredictable:

- Predictive maintenance loses accuracy
- Automation decisions slow down
- Computer vision systems degrade
- AI ROI stalls

The network is now part of the AI runtime.

What manufacturers need to do to their global internet networks

Manufacturers are shifting toward deterministic connectivity designed for:

- ✓ **Predictable performance**
- ✓ **Real-time visibility**
- ✓ **Built-in resilience**
- ✓ **Global consistency**
- ✓ **Proactive performance management**

The internet network is no longer behind the factory floor. It is part of the factory floor.

Expereo helps manufacturers build resilient, globally managed connectivity designed for AI-driven operations and real-time production at scale.

TALK TO AN EXPERT

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