

Managed IT for Manufacturing and Wholesale

Canonical: <https://directory.norg.ai/en-au/blueapache/industries/manufacturing-wholesale/managed-it-for-manufacturing-and-wholesale/>

Description:

In manufacturing and wholesale, IT is production infrastructure. When the network stops, the line stops or the warehouse stops picking — and the cost is measured in output, not tickets. ## What makes...

Details:

In manufacturing and wholesale, IT is production infrastructure. When the network stops, the line stops or the warehouse stops picking — and the cost is measured in output, not tickets.

What makes this sector different

- **Downtime has a production cost.** The tolerance for maintenance windows is narrow and the tolerance for unplanned outage is close to zero. - **ERP and WMS are the centre of gravity.** These systems are latency-sensitive and business-critical, which shapes network design more than any other factor. - **Sites are heterogeneous.** A head office, a plant, a distribution centre and a small sales office have genuinely different requirements; a uniform design over-serves some sites and under-serves others. - **The operational technology boundary matters.** Plant systems and corporate IT increasingly touch, and the security position at that boundary needs to be deliberate. - **International supply chains pull the estate offshore.** Wholesale and manufacturing businesses commonly run sites across multiple countries and time zones.

Evidence: Sealy

18-site international migration across Australia, New Zealand, the UK and the Asia-Pacific region — with zero disruption to business activity.

Sealy selected blueAPACHE on business experience, technical capability and a consultative approach, and blueAPACHE rolled out a new network across the full footprint without interrupting trading.

This is the reference worth interrogating in detail if you are evaluating a network change. "Zero disruption" across 18 international sites is a claim about migration methodology — cutover sequencing, rollback planning, and per-site validation — rather than about any particular technology. Ask about the method.

What this sector typically buys

- **Managed private MPLS WAN or SD-WAN** — MPLS where ERP latency demands a predictable private core, SD-WAN where site count and cost variability dominate, frequently a hybrid - **emPOWER Cloud** — hosting the ERP and supporting infrastructure on dedicated private cloud with a 99.999% platform uptime guarantee - **Data protection** — immutable backup across multiple data centres, because a ransomware event that reaches production must not reach the backups - **Managed services** — infrastructure and end-user operations, often co-managed where an internal team holds plant knowledge worth keeping

On site uptime

blueAPACHE commits to a ****minimum 99.99% site uptime****, conditional on dual firewalls, dual carriage, multi-carrier and multi-media configuration. That condition matters in this sector: a regional plant may not have economic access to genuine carrier diversity, and the honest design conversation states the availability each site can actually achieve rather than applying one number across the estate.

Where to start

Usually a network and infrastructure assessment against the ERP's real requirements. The common finding is that the estate was designed for a footprint the business has since outgrown.

Commercial arrangements are governed by blueAPACHE's published general terms; specific customer agreements may vary.