Toltec Systems

Application assessment
Contoso Precision Ltd

Sample report · October 2026

This is a sample. Contoso is the fictional company Microsoft uses in its own documentation. Every name, figure and finding in this report is invented, to show the depth and format of a Toltec application assessment. Platform support dates are real.

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Summary for the board

A system that works, on a platform that does not.

Contoso runs orders, production scheduling, stock and invoicing on CPOS, a bespoke Windows application written for the business in 2011. It fits the way Contoso works, and the people who use it do not want it changed.

The platform underneath has run out of road. CPOS runs on .NET Framework 4.0, out of support since 12 January 2016, with its database on SQL Server 2012, out of support since 12 July 2022, on Windows Server 2012 R2, out of support since 10 October 2023. The contractor who wrote it is no longer available, and none of it can be patched.

Area	Rating	Area	Rating
Platform support	Urgent	Recoverability	Needs attention
Knowledge and documentation	Urgent	Integration	Needs attention
Security exposure	Needs attention	Data quality	Adequate

Five things we recommend

1. Capture how CPOS behaves today as automated parity tests, before anything changes.
2. Rebuild it in four slices behind a routing facade, starting with orders.
3. Move the database to Azure SQL in UK South, reconciling the data at every step.
4. Keep the current screens and workflows, and modernise everything underneath.
5. Choose the run model before go-live: run by Toltec, or handed over to your team.

Indicative plan

Sixteen to twenty weeks of elapsed time, in four slices. CPOS stays live throughout, and each slice moves across only when its parity tests pass and the business signs it off.

What the system does

Four modules, and the rules nobody wrote down.

Module	What it does	Users
Orders	Order entry, credit checks, approvals and customer pricing	14
Production scheduling	Weekly plans, machine allocation and job cards	6
Stock	Goods in, stock levels, batch tracking and reorder points	9
Invoicing and exports	Invoices, credit notes and a nightly export to the finance system	4

Rules we found in the code

- Orders over £25,000 need a second approval, but only for new customers.
- The production week starts on Sunday, so Saturday jobs belong to the previous week.
- VAT is rounded per line, not per invoice, which the finance system relies on.
- Customer codes are reused after five years without activity.
- A credit note cannot exceed the original invoice, even when a price was wrong.

How we will prove parity

Area	Recorded scenarios	Includes
Orders	140	Approvals, credit holds, price breaks
Production scheduling	60	Week boundaries, bank holidays
Stock	85	Batch splits, negative stock checks
Invoicing and exports	120	VAT rounding, credit notes, export files

Scenarios are replayed from twelve months of anonymised activity. Where CPOS behaves unexpectedly, the test records it and Contoso decides whether to keep it.

Target and plan

The same system, on supported ground.

Target architecture

- A web front end on Azure App Service that keeps the current screens and workflows.
- Azure SQL Database in UK South, with point-in-time restore.
- Sign-in through Microsoft Entra ID with multi-factor authentication.
- Monitoring and alerting through Azure Monitor, with a named owner for every alert.

Migration in four slices

Slice	Scope	Weeks
1	Orders, behind the routing facade	5 to 6
2	Stock	4
3	Production scheduling	4
4	Invoicing and exports, then final data migration	3 to 6

Every data move is rehearsed and reconciled by row counts, period totals and checksums. CPOS stays available, read-only, until Contoso signs off the final slice.

After go-live: your choice

We run it

Hosted in Azure, in UK South, and run by Toltec under a service agreement: monitored, patched and backed up.

You own it

Handed over in Contoso's own Azure tenancy, with the code, documentation, tests and runbooks.

Next steps

1. Agree the scope of slice one and the parity scenarios for orders.
2. Confirm the run model and the Azure tenancy.
3. Begin recording anonymised activity from CPOS.