

Proven Supply Chain Management for the South African Public Sector

Praxis SCM-Web is a South African product, developed in South Africa. It is a fully web-based, end-to-end supply chain management system that automates the complete procurement lifecycle — from demand planning through tendering, contracting and disposal — with full PFMA and MFMA compliance built in.

17+

YEARS IN OPERATION

USD 3bnTOTAL PROCURED THROUGH
THE SYSTEM**897 000**

LISTED SUPPLIERS

7 450

SYSTEM USERS

WHY PRAXIS SCM-WEB

A low-risk, pre-built solution already trusted by government

Operational today in metros and municipalities across South Africa, the system is pre-developed and field-proven — configured, not built from scratch — dramatically reducing implementation risk, cost and time-to-value.

Compliance by design

Aligned with the PFMA, MFMA and National Treasury regulations, including the three-committee tender system, 80/20 and 90/10 preference points and B-BBEE tracking.

Complete audit trail

Full field-level audit tracking on every transaction gives the Auditor-General and internal audit total transparency — making SCM audits simpler and faster.

Seamless integration

Real-time Central Supplier Database (CSD) integration, plus proven interfaces to SAP, Sage Evolution, Microsoft Dynamics and other financial systems.

Configurable workflows

Multi-dimensional, workflow-based approvals with escalations, substitutions and role-based security, tailored to your delegations of authority.

Fraud prevention

Built-in fraud detection, supplier rotation, deviation management and control lists eliminate the manual loopholes that enable irregular expenditure.

Local and empowered

Praxis is a Level 1 B-BBEE company with significant female ownership. Proudly South African — developed, supported and enhanced locally.

Intelligence built in

The SCM system harnesses responsible, explainable AI to work smarter across the entire procurement lifecycle — automatically classifying commodities, flagging pricing anomalies and irregular supplier patterns before they become problems, and quality-checking specifications before they go to market. Practitioners simply search in plain language, while predictive spend analytics turn procurement data into foresight — supporting demand planning, price benchmarking and smarter budget decisions. AI does the heavy lifting; your people stay in control.

REGULATORY & TECHNICAL ALIGNMENT

PFMA

MFMA

PPPFA 80/20 · 90/10

National Treasury Regulations

B-BBEE

CSD Real-time Integration

CIDB Integration

Active Directory

Web-based

One integrated platform. The full procurement lifecycle.

Praxis SCM-Web comprises eight integrated modules that together cover every stage of public sector supply chain management.

■ Vendor Portal

A public-facing self-service portal: online supplier registration with tax and B-BBEE certificate uploads, digital tender publishing and submission, RFQ responses, award publication and query management.

■ Supplier Management

Full CSD integration and validation, supplier performance management, fraud detection, B-BBEE and tax clearance expiry tracking, operating areas and internal audits.

■ Demand Planning

Customisable demand plan forms, workflow-based capturing and reviews, actual-versus-plan analysis, and direct integration into tenders and requisitions.

■ Budget Management

Budget integration and validation at requisition level, ensuring commitments are checked against available funds before approval.

■ Acquisition Management

Requisitions to contract: automatic and manual RFQs, supplier and contract rotation (including RET), automated 80/20 and 90/10 evaluations, deviation management, invoice tracking and price benchmarking.

■ Contract Management

Normal and panel contracts with automatic contract creation from awards, spend analysis, performance management and expiry alerts.

■ Performance & Reporting

Customisable dashboards, comprehensive reporting and SLA tracking of timelines at every step of the procurement process.

■ Disposal Management

Structured, auditable workflows for the disposal of assets in line with National Treasury prescripts.

Fully Electronic Tender Management

- End-to-end workflow-based tender management supporting the three-committee system
- Online evaluations with weighted electronic scorecards and automatic disqualification on failed functional criteria
- Digital tender publishing and submission through the Vendor Portal
- CSD status checks and existing-contract reports during evaluation
- Online committee meetings with digital minutes and video recording storage
- Automated tender evaluation reports, including SWOT analysis
- Template-driven award and rejection letters with unlimited templates
- SLA management and control lists to prevent late submissions

Stopping procurement leakage at metro scale

City of Tshwane Metropolitan Municipality

01 The Requirement

The City of Tshwane was experiencing serious problems with its procurement environment. A combination of manual and electronic processes had opened the door to fraudulent SCM activity, and the City was losing significant amounts of cash. A solution was needed that was robust, transparent and auditable.

02 The Challenges

- Cash leakage through the procurement process had to be stopped
- The City needed a clearer view of what was to be procured
- The system had to be capable of passing audits at short notice
- Manual processes that lent themselves to fraud had to be eliminated

03 The Engagement

Following a comprehensive market analysis and formal acquisition process, Praxis SCM-Web was selected. The teams spent six months aligning the business requirements to the proposed system in a cyclic process that produced a comprehensive specifications document. The base system was then configured to the agreed changes, and support and training structures were implemented — delivering a fully automated, auditable and functional procurement solution.

04 The Results

Cash leakage stopped

The automated system eliminated the leakages that had plagued the manual environment.

Fraud contained

Fraudulent SCM activity was stopped and is now actively managed by the system's controls.

Audit excellence

Over seven years of operation, no system audit irregularities have been recorded.

Full automation

A fully automated procurement process, from demand plan to award, replacing manual intervention.

"We confidently recommend Praxis as a solid, reliable supplier and experts in their field, especially in specialised Supply Chain Management, and would highly recommend them for any future work within the ICT SCM space."

CLIENT TESTIMONIAL • CITY OF TSHWANE ENGAGEMENT

A history of delivery in the South African public sector

Praxis Computing is the OEM of SCM-Web, with Praxis KZN licensed as its distributor and implementor. The teams behind the software have remained consistent for more than two decades, delivering enterprise-scale solutions to national departments, parastatals, metros and municipalities.

- 2010**
South African Civil Aviation Authority — support and enhancement of an end-to-end ERP and SCM environment, including requisition, supplier database and tender management. Support remains ongoing.
- 2011**
Public Investment Corporation — end-to-end ERP and Supply Chain Management implementation across financials, procurement, assets and business intelligence, with ongoing support.
- 2013**
Buffalo City Metropolitan Municipality and uThukela District Municipality — SCM automation and optimisation implementations. The BCMM system remains in production and supported to this day.
- 2015**
City of Tshwane Metropolitan Municipality — full SCM automation and optimisation, with 12 months' implementation and 24 months' on-site support (see Case Study, page 3).
- 2016**
eThekweni Metropolitan Municipality — SCM automation and optimisation implementation with on-site support, deployed with our accredited partner network.

CLIENT	PROJECT
Public Investment Corporation	End-to-end ERP & SCM implementation
SA Civil Aviation Authority	ERP & SCM support and enhancement
City of Tshwane	SCM automation & optimisation
Buffalo City Metro	SCM automation & optimisation
eThekweni Metro	SCM automation & optimisation

REFERENCE LETTERS ON FILE

Written letters of recommendation are available and can be provided on request, including: Buffalo City Metropolitan Municipality (CFO, January 2024), City of Tshwane (September 2023), eThekweni Municipality, uThukela District Municipality (2013) and the SA Civil Aviation Authority (2021).