

T.K.O

ENGINEERING CC

COMPANY PROFILE

Go-Belt® Sampling Technology

INNOVATION / DESIGN / MANUFACTURE
INSTALLATION / COMMISSIONING / MAINTENANCE

2026 EDITION

T.K.O Engineering

T.K.O Engineering is the South African OEM and developer of Go-Belt® representative mineral sampling equipment for mining and mineral-processing operations. We design, manufacture, integrate, install, commission and maintain Go-Belt® sampling equipment and complete sampling solutions.

Go-Belt® is T.K.O Engineering's registered product and technology name. It is not a generic name for cross-belt, cross-stream or hammer samplers.

30+ YEARS OF GO-BELT® EXPERIENCE	100+ RECORDED GO-BELT® SAMPLERS	OEM DESIGN TO LIFECYCLE SUPPORT
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Our mission

To engineer and deliver reliable, representative sampling solutions that help mining and mineral-processing operations obtain dependable information from their material streams, supported throughout the equipment lifecycle by T.K.O Engineering.

Our approach

T.K.O Engineering combines practical site experience, engineering development, automation and preventative maintenance. Current Go-Belt® equipment continues to evolve through our engineering, installation and operational experience, while specific mechanical design features and proprietary arrangements remain part of T.K.O Engineering's protected technical know-how.

Core capability

- Go-Belt® Cross-Belt Samplers
- Go-Belt® Linear Cross-Stream Samplers
- Go-Belt® Sampling Systems and Sampling Plants
- Chute work and associated sample handling
- Electrical, automation and PLC integration
- Installation, commissioning and upgrades
- Preventative maintenance, spares planning and OEM technical support
- Go-Belt® Live and secure Client Portal visibility

Go-Belt® Sampling Technology

Go-Belt® Cross-Belt Sampler

T.K.O Engineering's proprietary cross-belt sampling equipment for collecting representative sample increments directly from material travelling on an operating conveyor. The sampling sequence is automatically controlled, with an audible safety warning provided before the sampling cycle is initiated.

Current Go-Belt® systems incorporate proprietary design and engineering features to provide a controlled, clean and repeatable sampling action. Current equipment should not be technically characterised solely by descriptions of earlier Go-Belt® configurations contained in historical publications.

Go-Belt® Linear Cross-Stream Sampler

A separate Go-Belt® sampling configuration for suitable falling and free-flowing material streams at transfer or discharge points. Cross-belt and cross-stream sampling are different configurations and are selected according to the material-stream arrangement and sampling duty.

Go-Belt® Sampling Systems & Plants

T.K.O Engineering supplies individual sampling equipment as well as engineered sampling systems and complete sampling plants. System scope can include the sampling point, transfer and chute arrangements, collection, sample preparation, controls, automation and associated integration required for the installation.

Go-Belt® Live

Go-Belt® Live is standard on new Go-Belt® samplers. It provides sensor monitoring, PLC intelligence, sampler status and operational visibility with secure Client Portal access. Existing installations can be assessed for upgrade where compatible.

One OEM. Complete Lifecycle Support.

ENGINEERING & DESIGN

Application review, equipment configuration, sampling-system design, associated chute work and integration requirements.

MANUFACTURE

Go-Belt® equipment manufactured to T.K.O Engineering requirements with OEM oversight and quality control.

INSTALLATION & COMMISSIONING

Site installation support, integration, commissioning and handover for the configured sampling duty.

AUTOMATION

Electrical, PLC and control integration for repeatable sampling sequences and operational visibility.

PREVENTATIVE MAINTENANCE

Planned inspections and servicing, traceable maintenance records, spares planning and corrective follow-up.

OEM SUPPORT

Technical support, breakdown response, upgrades and lifecycle support from the developer of Go-Belt® technology.

Protected engineering know-how

T.K.O Engineering communicates the capability and performance of current Go-Belt® technology without publishing proprietary mechanical arrangements. Detailed internal design features remain protected technical know-how.

Installation & Project Experience

T.K.O Engineering has a recorded Go-Belt® installation history extending from 1991 through current mining projects. The recent chronology below shows continuity across Gold and Platinum operations. A separate Go-Belt® Installation & Project Reference List provides the detailed historical record.

Recent installation chronology

Year	Client / Operation	Scope / record	Status
2017	Sibanye-Stillwater Platinum - Kroondal	Koponeng, Kwezi, Bathopele, K6 Mine, Khusuleka, Thembelani and Simunye shafts	Installed - historical record
2018	Sibanye-Stillwater Gold & Platinum	Masakhane Shaft; Kroondal Bambanani Shaft; Burnstone BS#1	Installed - historical record
2019	Sibanye-Stillwater Gold - Kloof Division	KC8 plus Main Shaft waste-belt Go-Belt® project	Installed / invoice record
2020	Sibanye-Stillwater Gold - Driefontein	Pitseng DC2E	Installed - historical record
2021	Harmony Gold / Sibanye-Stillwater Gold	Mponeng Plant R8 MOD; Kloof KC2 Belt 7	Installed - historical record
2022	Sibanye-Stillwater / Harmony Gold	Kloof KC1 Waste Belt; EZ Uranium Met Plant; Mponeng R1	Installed - historical record
2023	Sibanye-Stillwater - Driefontein	DC8; DC1 Plant; Pitseng Belt 5; Mill Plant 1 and Mill Plant 2	Installed / installation & commissioning records
2024	Sibanye-Stillwater / Harmony Gold	Kloof KP2 Shaft 3; Doornkop; Target Plant Go-Belt®	Installed / supplied project records
2025	Barrick - Tanzania	2 x Go-Belt® samplers	Supplied / project record
2026	Sibanye-Stillwater - Beatrix R4	Go-Belt® sampler, associated chute work and 6-bin arrangement	Installed
2026	Harmony Gold - Target Plant	Second Go-Belt® sampler	Delivered - not yet installed

Status note: “Delivered - not yet installed” is intentionally distinguished from an installed unit. Where the supplied records establish a project, supply, installation or commissioning scope but do not independently establish a later site-completion date, the wording remains conservative.

Depth across Gold and Platinum operations

The historical register includes extensive Rustenburg Platinum and later Sibanye-Stillwater Platinum experience, alongside long-running Gold-sector installations. In 2017 alone, the recorded Sibanye-Stillwater Platinum Kroondal installations include Koponeng, Kwezi, Bathopele, K6 Mine, Khusuleka, Thembelani and Simunye, followed by Bambanani in 2018.

This continuity is important: the Go-Belt® record is not a small set of isolated recent projects, but a multi-decade installation history across operations, commodities and successive generations of equipment.

Why T.K.O Engineering

Original Go-Belt® OEM

Current Go-Belt® equipment is engineered and supported by T.K.O Engineering, the developer of the technology.

Proven installation history

A recorded installation history extending from the early 1990s through current mining projects.

Complete lifecycle capability

Engineering, manufacture, installation, commissioning, preventative maintenance, spares and OEM technical support.

Innovation with protected know-how

Continuous development of Go-Belt® technology while protecting proprietary mechanical arrangements.

Digital visibility

Go-Belt® Live and secure Client Portal capability for current-generation equipment.

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Client references available on request.

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