CONSULTING. TRAINING. COMMISSIONING.

CEMENT & MINERAL PLANT ENGINEERING

Independent technical support.
From plant assessment to stable operation.



DAR ES SALAAM, TANZANIA | ON-SITE & REMOTE SUPPORT

Kaffon Company Limited supports plant owners, equipment suppliers and contractors with practical engineering, documented findings and clear next steps.

COMMISSIONING

Kilns, burners, calciners and hot gas generators.

MECHANICAL DIAGNOSTICS

Ball mills, girth gears, bearings and drive systems.

PROCESS & RELIABILITY

Combustion, fuel and air systems; condition-based troubleshooting.

TECHNICAL TRAINING

Hands-on coaching for operations and maintenance teams.

YOUR PERSONAL CONTACT: WALDEMAR KASDORF, DIPL.-ING.

01 / START-UP & OPERATION

Commissioning.
Combustion. Process stability.

Support for new installations, restarts and operating plants - with close attention to equipment condition, control functions and operator understanding.



Kiln firing and flame assessment



Hot gas generator and gas-train checks

Kiln & burner systems

Mechanical inspections, burner-tip and internal checks, signal and safety-chain verification, heat-up supervision and start-up support. Burner adjustment and combustion monitoring through stabilisation and handover.

Calciner & hot gas generation

Commissioning support for calciner firing and hot gas generators, including gas-valve control, auxiliary equipment, process balancing and control-system interfaces.

Fuel, air & material flow

Review of alternative-fuel feeding and conveying, dosing behaviour, combustion-air fans and ducts. Assessment of material handling, cooler condition and associated operating constraints.

Optimisation & follow-up

Review of flame behaviour, primary and secondary air, draft and process trends. Practical adjustment recommendations, open-point tracking and hands-on operator guidance.

02 / CONDITION & PERFORMANCE

Find the cause.
Define the next action.

Mechanical inspections and measurement-led troubleshooting for critical equipment, with findings translated into practical maintenance priorities.



Ball mill and drive-system field assessment

Mills, gears & drives

Assess tooth condition, contact patterns, backlash and runout. Review pinion assemblies, couplings, bearings and drivetrain alignment. Support overhaul planning, mechanical work and recommissioning.

Measurements & root causes

Combine vibration, temperature, thermography and alignment findings with operating data. Investigate abnormal behaviour and identify areas requiring further checks or corrective work.



Lubrication & auxiliary systems

Review lubrication function, hydraulic systems and relevant interlocks. Prioritise corrective actions and verify equipment behaviour after adjustments.

03 / COLLABORATION & CONTACT

Practical support. Clear communication.



Hands-on field support and equipment inspection



Fuel-feeding and conveying systems

Understand the issue. Inspect and measure. Agree priorities. Support implementation. Receive documented findings, practical recommendations and operator coaching suited to the agreed scope. Follow-up support helps teams review progress and outstanding actions.



YOUR PERSONAL CONTACT

Waldemar Kasdorf

Dipl.-Ing. | Senior Mechanical Engineer

Director & Founder
19+ years of international field experience

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Describe the equipment, symptoms, location and urgency.

Kaffon Company Limited | Founded in 2022 | Dar es Salaam, Tanzania

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