



**CJV LABORATORY  
CONSULTING**

# **EXPERT GUIDANCE FOR LABORATORY EXCELLENCE**

**LABORATORY CONSULTING SPECIALIST  
LAB DESIGN & COMMISSIONING  
QMS & AUDIT SUPPORT**

**TRUSTED BY MINING OPERATIONS, PROCESSING PLANTS, WATER UTILITIES AND  
ON-SITE LABORATORIES ACROSS AFRICA AND THE MIDDLE EAST.**

# WHO WE ARE

CJV Laboratory Consulting is a South African specialist consultancy providing expert laboratory design, operational optimisation, and ISO-aligned quality system implementation, operating across the MENA and EMAEA regions.

We support organisations where laboratory performance is critical to production, compliance, reporting accuracy, and commercial decision-making.

Our expertise spans full laboratory lifecycle support - from greenfield design and commissioning to system optimisation, audit readiness, and accreditation preparation.

## OUR CORE SERVICES

### Laboratory Design & Commissioning

- + Greenfield and brownfield laboratory design.
- + Workflow optimisation and equipment specification.
- + Laboratory build oversight and commissioning.
- + Staff training and operational start-up support.

### Mining & Metallurgical Laboratory Support.

- + PGM, Gold, Base Metals, Iron Ore, Phosphate and specialty mineral laboratories.
- + NiS 6E and Lead Collection methods. Method validation and optimisation.
- + On-site laboratory performance improvement.

### Audits & Technical Consulting

- + Independent laboratory assessments.
- + Operational performance reviews.
- + Accreditation recovery support.
- + Method development and statistical validation.

### Quality Management Systems

- + Full QMS implementation and documentation.
- + Gap analysis and system restructuring.
- + Internal audit preparation and close-out support.
- + Accreditation readiness.

### Water & Environmental Laboratories

- + SANS 241 compliance.
- + Wastewater and potable water laboratory systems.
- + Monitoring programme implementation.
- + Scientific reporting and regulatory compliance.

# LABORATORY DESIGN & COMMISSIONING PORTFOLIO

## Commodity & Operational Sector Experience

CJV Laboratory Consulting has delivered laboratory design, commissioning, optimisation, and accreditation support across multiple commodities and high-performance operational environments.

### Our experience includes:

# 1

## Mining & Metallurgical Operations

- + Platinum Group Metals (PGM) Analytical Laboratories.
- + Gold Production & Fire Assay Laboratories.
- + Niobium Processing Laboratories.
- + Iron Ore Laboratories.
- + Copper & Base Metal Laboratories.
- + Phosphate Processing Laboratories.
- + Multi-Commodity Commercial Mining Laboratories.

### Projects Include:

- + Full greenfield and brownfield laboratory design.
- + Laboratory workflow engineering and equipment specification.
- + Implementation of NiS 6E, Lead Collection, Fire Assay, and Base Metal methods.
- + Commissioning, operational start-up, and staff training.
- + Quality system implementation and accreditation readiness.
- + Performance optimisation of on-site production laboratories.

# 2

## Water, Environmental & Compliance Laboratories

- + Municipal Water Purification Laboratories.
- + Wastewater Treatment Laboratories.
- + Raw Water & Dam Monitoring Laboratories.
- + Industrial Effluent Monitoring Laboratories.
- + Commercial Environmental Testing Facilities.

### Projects Include:

- + Laboratory relocation and infrastructure optimisation.
- + SANS 241 compliance system implementation.
- + Sampling programme design and performance monitoring.
- + Quality management system development.
- + Regulatory reporting and scientific advisory support.

# THE CJV APPROACH

Designed for Performance. Structured for Compliance. Built for Production Confidence.

1

## ASSESS

### Understand the Current State

- + Site visit and stakeholder discussion.
- + Review of layout, methods, staffing and equipment.
- + Identify risks and compliance gaps.

2

## DEFINE

### Clarify Requirements

- + Commodity and analytical scope.
- + Production and reporting needs.
- + Compliance and accreditation objectives.

3

## DESIGN

### Build the Right System

- + Laboratory layout and workflow.
- + Equipment specification.
- + Quality management system structure.

4

## IMPLEMENT

### Commission and Train

- + Laboratory set-up or optimisation.
- + System documentation rollout.
- + Staff training and competency alignment.

5

## VALIDATE

### Prove Performance

- + Method validation.
- + Internal audit and corrective actions.
- + Accreditation readiness review.

6

## SUSTAIN

### Maintain and Improve

- + Ongoing audits and optimisation.
- + Performance monitoring.
- + Continuous improvement support.

# LET'S BUILD YOUR LABORATORY ADVANTAGE

Whether you are planning a new laboratory, preparing for accreditation, or stabilising an on-site operation, CJV Laboratory Consulting provides experienced, practical guidance you can trust.

## **CJV Laboratory Consulting (Pty) Ltd**

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