



TAILORED ENGINEERING SOLUTIONS.  
**EXCEPTIONAL RESULTS.**

Company Overview



**Procurement** Pollution Control Infrastructure

**3D Scanning & Digitisation**

Civil Structural Engineering

**Heap Leach Facilities**

**Geohydrological Studies** Mechanical Engineering

Mine Water Balance Electrical Engineering

**Maintenance Support**

**Project Management** SIMM Audits

**Process Optimisation** Environmental

**TSF Stability Analysis**

**Process Upgrades**

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# About CEMS Consult

Delivering innovative engineering solutions tailored to meet the unique needs of each client, driving sustainable and efficient outcomes.

Founded in May 2009 by Chris Theron, CEMS Consult brings decades of expertise and innovation to the mining and industrial sectors. With a foundation rooted in projects across the petrochemical industry in South Africa, Europe, and the Middle East, our company has grown from a specialised consulting firm to a global partner for the metals and industrial minerals industries.

Initially, our focus centered on Process Optimisation Studies, Process Audits, Feasibility Studies, and Project Delivery services for the gold and base metals sectors in South Africa. Over time, we expanded our reach and capabilities, now delivering tailor-made solutions for a diverse range of clients and projects worldwide.

CEMS Consult has experience working on a **wide range of projects** across various industries, showcasing our **versatility and ability** to tackle different types of **engineering challenges**.

## Capabilities

At CEMS Consult, we pride ourselves on delivering innovative, tailored solutions that cover every stage of a project's lifecycle. From concept development to execution and ongoing support, our comprehensive capabilities ensure successful outcomes for our clients.

### Full Project Execution

We provide turnkey project execution, handling everything from feasibility studies to final delivery - your trusted partner from start to finish.

### Design Services

Our design and drafting services include safety and constructability reviews, optimising projects with value-adding solutions.

### 3D Design Expertise

We use 3D scanning, modeling, and BIM collaboration to enhance constructability, operability, and efficiency.

### State-of-the-Art Engineering Software

Our advanced in-house software ensures precise, reliable designs meeting industry standards.

### Focus on Quality for Robust Design

Our engineers blend technical expertise with hands-on experience, crafting innovative, lasting solutions through close collaboration.

Let's collaborate to transform your challenges into opportunities and deliver designs as unique as your ambitions. Contact us today to discuss your project requirements with one of our team members.

# Our footprint

CEMS Consult delivers expert engineering solutions across various industries throughout Sub-Saharan and West Africa, as well as the Middle East.

Whether your operation is located in a country we already have an established network in, or in a territory that is new to us, if you would like to find out more about how CEMS Consult can add value to your project, contact us to discuss your specific needs with one of our professional engineers today.



# Industries

At CEMS Consult, we bring extensive expertise across diverse industries, providing customised engineering solutions that drive efficiency, sustainability, and performance.

Our multidisciplinary approach ensures that each project is tailored to meet specific operational needs, leveraging the latest technology and best practices to optimise outcomes. Whether in mining, energy, infrastructure, or beyond, we collaborate closely with our clients to develop innovative, cost-effective solutions that support long-term success and environmental responsibility.



Mining & Mineral Processing

End-to-end solutions for efficient mine planning, innovative processing systems, and sustainable operations.



Renewable Energy & Water Treatment

Seamlessly integrated large-scale energy and water systems that prioritise sustainability and long-term value.



Fossil Fuels

Expert design of bulk fuel storage facilities and handling systems that ensure safety, compliance and operational excellence.



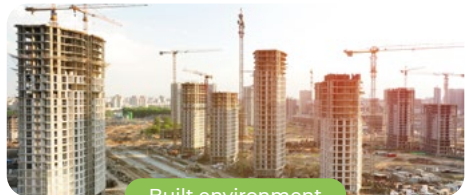
Metallurgy

Optimise process development and recovery for various mining commodities, maximising resource efficiency.



Infrastructure Development

Infrastructure projects, including roads, bridges, buildings, and water systems, to support sustainable and efficient development.



Built environment

Innovative structural steelwork and concrete capabilities for large-scale industrial, commercial, residential developments.



## Services

CEMS Consult delivers engineering solutions for efficiency, sustainability, and performance across industries.

From concept to completion, we provide tailored solutions in project management, design, water management, fuel storage, and mining, ensuring quality, innovation, and lasting success.



### Comprehensive EPC/ Turnkey Solutions

CEMS Consult delivers seamless EPCM services, expertly guiding projects from concept to completion with a strong commitment to quality, safety, and sustainability, ensuring efficient and cost-effective solutions.

### Design & Engineering Solutions

Our ECSA-registered professionals bring deep industry expertise to ensure exceptional detail for every project, utilising industry-leading software to ensure design excellence in every solution we present.



### Scalable Project Management

We offer comprehensive project management services for the mining industry, from feasibility to commissioning. CEMS provides single-point accountability, ensuring clarity, consistency, and reliability. Our PM services include:

- + Comprehensive Project Delivery
- + Skilled Workforce with Proven Expertise
- + Diverse Clientele



## Customised Engineering Solutions

CEMS Consult delivers tailored engineering solutions, combining expertise and innovation to address your challenges, enhance efficiency, and ensure sustainable, cost-effective results.

## Surface & Mine Water Management

CEMS Consult delivers innovative, sustainable water solutions tailored to your specific needs, combining expertise, leading suppliers, and advanced technologies for efficient results. Our mine water management offering includes:

- + Dewatering
- + Operational and Mine Closure Water Balance
- + Water Supply Services



## Large-scale Building Developments

Our teams bring building projects to life with innovative structural steelwork and concrete capabilities for large-scale residential, commercial, or industrial developments, tailored to your specific needs. We can assist with:

- + Structural Design and Analysis
- + Building Retrofitting
- + Structural Inspections
- + Construction Management





## Specialist Engineering Services

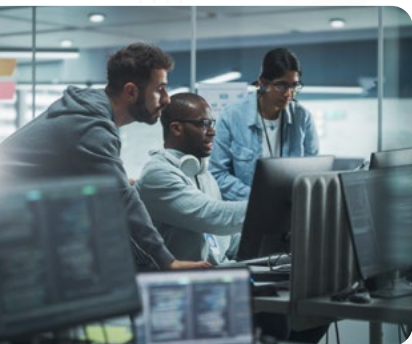
CEMS Consult provides expert engineering services to solve complex challenges with sustainable, cost-effective solutions, tailored to your unique needs. Our specialist services include:

- + Civil Infrastructure and Waste Management
- + Comminution Circuit Optimisation (Finite Element Analysis (FEA))
- + Audits and Assessments (ICMI/SIMM)

## In-house Value Added Services

Our value-added services enhance efficiency, optimise performance that maximise your project's success. We offer a range of services including:

- + Process design and test work management
- + Bulk ore flow properties testing and analysis
  - + Flowsheet optimisation
- + Layout and infrastructure development



## Digitisation through visualisation

We use advanced software and cutting-edge platforms to convert physical environments into precise 3D digital models, enhancing accuracy, efficiency, and cost-effectiveness.

- + From Data Capture to Processing
- + BIM Modelling: Unlocking project potential

# Why work with CEMS

Partnering with CEMS Consult means working with a team of dedicated engineering experts committed to delivering innovative, sustainable, and cost-effective solutions.

With deep industry experience across mining, infrastructure, and specialised engineering fields, we provide tailored strategies that enhance efficiency and long-term performance. Our hands-on approach, technical excellence, and commitment to quality and safety ensure seamless project execution from concept to completion.

Whether you need turnkey project management, process optimisation, or bespoke engineering solutions, CEMS Consult is your trusted partner for achieving exceptional results.

## Our value proposition

At CEMS Consult, our work is guided by a strong set of core values that define who we are and how we operate. We strive to create meaningful partnerships, deliver exceptional results, and make a lasting impact on every project we undertake.

### We build strong relationships

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We insist on open communication, mutual respect, and trust, enabling us to build lasting relationships with our clients, employees, and partners. Your success is how we measure our success, and we work closely with you every step of the way.

### We have courage to innovate

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Honesty, transparency, and integrity are consistently at the heart of everything we do. We are dedicated to earning and maintaining the trust of our clients, team members, and community through consistent and ethical practices in all aspects of our business.

### We share a commitment to care

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From prioritising on-site safety and world-class quality to championing sustainability, we approach every project with the utmost care and attention to detail. We are as dedicated to supporting our team as we are to meeting our clients' needs.

### Trust is built into our foundation

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Honesty, transparency, and integrity are consistently at the heart of everything we do. We are dedicated to earning and maintaining the trust of our clients, team members, and community through consistent and ethical practices in all aspects of our business.

### We value simplicity in our solutions

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At CEMS, we strongly believe in cutting through complexity to deliver practical, efficient, and cost-effective engineering solutions. Our approach to problem-solving always places emphasis on clarity and user-friendliness without compromising quality.

### We are solution-driven at our core.

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Problem-solving is our passion. Leveraging our deep expertise, industry experience, and collaborative approach, we thrive when we are developing innovative and effective solutions to even the most complex engineering challenges.





+27 12 001 4358



[office@cemsconsult.com](mailto:office@cemsconsult.com)



Block B, 1st Floor Offices B 105, De Goedehoop Close Office Park,  
121 Sovereign Drive, Route 21 Corporate Park,  
Cnr Nelmapius and Goede Hoop.  
Irene x30, Centurion, 0178

