

The Voice of Consulting Engineering

Consulting Engineers South Africa



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Presentation



Consulting Engineer key to building South Africa...







The Voice of Consulting Engineering



Engineering Journey

- \checkmark 'Engineer' first appeared in 15th Century in the military
- ✓ 'Non-military engineers' in civilian capacity– hence 'civil engineers'
- Associations formed to exchange experiences improve status, CESA established in 1952
- $\checkmark\,$ Engineering formalised as profession
 - ✓ safeguard health & welfare of public
 - ✓ prevent unqualified people from selling engineering services
- ✓ Sanitation voted greatest medical advance since 1840 BMJ
- Engineers make it happen shape your world





Engineering Journey (continues)

 \checkmark The success of CESA is dependent on contributions by :

- ✓ construction/engineering industry
- ✓ Government
- ✓ Allied industries
- Contributions beyond projects into strengthening developmental organisations
- Successful implementation of the National Development Plan,
 Vision 2030 /NIP/SIPS requires a vibrant consulting engineering industry.
- ✓ Engineers make it happen shape your world





Introduction to CESA

Member firms

Total Employment

Professional staff (engineers and technologist) 24,350

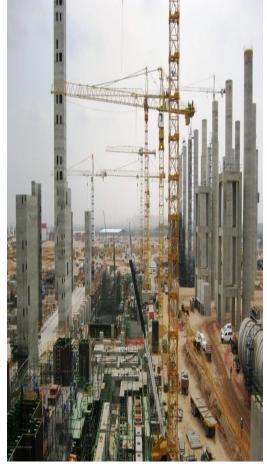
510

66%

34%

CESA internal

- ✓ Annual budget ~ 26 million Rand
- ✓ Management: 17 permanent staff







Consulting Engineering Industry

Consulting Engineering

Government Private

Industry Staff

Consulting Firms

Construction Cost

R 20.4 bill 56%

44%

24,350

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R 205.0 bill







What CESA stands for

Vision Statement

Consulting Engineers South Africa is:

✓ The voice of Consulting Engineering in South Africa

Mission statement

Consulting Engineers South Africa is committed to:

- \checkmark enhancing the professional and business interests of its members
- improving the quality of life for all South Africans by the promotion of engineering excellence
- serving clients with professionalism, integrity and independence of judgement





What CESA stands for

Strategy Goals

- CONSTRUCTIVE ENGAGEMENT (ADVOCACY) Pro-active, targeted and empathetic constructive engagement with all spheres of government, offering solutions and capacity building to positively influence effective and efficient service delivery
- PROCUREMENT Actively challenge the public procurement regime to ensure best practice prevails in the procurement of Consulting Engineering Services
- CESA BRANDING Increase the profile and footprint of the CESA Brand in its primary and secondary target markets as identified in the Marketing and Communications Plan
- TRANSFORMATION Facilitate and promote transformation that enhances the sustainability of the Consulting Engineering sector
- NETWORKING Promote networking opportunities in the Consulting Engineering sector to facilitate sharing of knowledge, transfer of skills and expertise as well as raising its public profile





What CESA does

CESA's major functions (1/2)

seeks to promote the interests of its members and their clients by:

- ✓ Regular collaboration/ liaison meetings with clients and allied organisations
- ✓ Contractual Affairs and Legal Risk Management services
- Mandatory Member Programmes: Quality Management System (QMS), Business Integrity Management System (BIMS) and Sustainability Policy Framework
- ✓ Education & Training: Courses, seminars, workshops and conventions
 - ✓ The School of Consulting Engineering
 - Annual CESA Conference & Exhibition and the Young Professionals Conference/Imbizo
 - ✓ Annual Engineering Excellence Awards
- Accreditation: Strict membership requirements ensure suitability/ "accreditation" of member firms ito professionalism, competence and integrity





What CESA stands for

CESA's major functions (2/2)

seeks to promote the interests of its members and their clients by:

- ✓ Membership and participation in:
 - ✓ FIDIC (International Federation of Consulting Engineering Associations)
 - ✓ Group of African Member Associations (GAMA)
- ✓ CESA YPF Young Professionals Forum
- Dissemination of Information
 - ✓ Best practice guidelines on procurement and professional practice matters
 - ✓ Directory of Firms

Consulting Engineers South Africa

- ✓ Contract documentation
- ✓ Websites and member newsletters
- ✓ Case Studies relating to insurance claims
- ✓ International Business Development: Built Environment Professionals Export Council





Added Value for clients

- Clients have the assurance that members are exposed to international best practice through our relationship with FIDIC.
- Clients have the assurance that CESA members contribute and participate in meeting BBBEE requirements.
- International Clients have the benefit of employing members (through BEPEC) that are export ready.
- ✓ Quality value-added innovative solutions
- Members are required to adhere to a Code of Conduct with defaulting members being subjected to a formal disciplinary process.
- ✓ Members are required to have a minimum level of Professional Indemnity Insurance.
- Members are required to have and maintain a formal Quality Management System conforming to international standards.
- ✓ Members subscribe to the principles of sustainability





Added Value for society



Fair and Reasonably priced services / optimum infrastructure



Cost effective - Money spent on projects once, no rebuilding/ redesign



Safe, user-friendly, reliable & cost-effective infrastructure



Appropriate / state-of-the-art infrastructure



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Recent output (downloadable)

- ✓ Press release
- Position paper: The empowerment and development of emerging and small consulting engineering firms in the infrastructure delivery.
- ✓ Bi-Annual Economic and Capacity Report (Bi-annual) Jan-June 2013 available
- ✓ Sustainability policy framework launched November 2013
- ✓ Quality management implementation guideline (QMIG)
- ✓ Business integrity management system (BIMS)
- ✓ Short Form of Agreement (client-consulting engineering)
- ✓ Sub-consultancy agreement
- ✓ Procurement of consulting engineering services (PCES) manual revised 2013
- ✓ Business of consulting engineering course (BCE) implemented





In the pipe-line

- ✓ Press release
- ✓ Model services agreement (Client-Consulting Engineer) revised by end Feb 2014
- ✓ Risk management implementation guideline (RMIG) revised by end Feb 2014
- ✓ Model Terms of Reference: Proforma for clients calling for tenders for consulting engineering services
- ✓ Practice Notes (members only) revised by end Feb 2014
- ✓ Master of Consulting Engineering (MCE) under development







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THANK YOU

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