



# CESA

Consulting Engineers South Africa

The Voice of Consulting Engineering



## Consulting Engineers South Africa

### Presentation

60

1952  
2012

# Consulting Engineer key to building South Africa...





# Engineering Journey

- ✓ 'Engineer' first appeared in 15<sup>th</sup> Century - in the military
- ✓ 'Non-military engineers' in civilian capacity– hence 'civil engineers'
- ✓ Associations formed to exchange experiences – improve status,  
CESA established in 1952
- ✓ 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)

- ✓ 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	510
Total Employment	24,350
Professional staff (engineers and technologist)	66%
	34%

## ➤ CESA internal

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



# Consulting Engineering Industry

Consulting Engineering	R 20.4 bill
Government	56%
Private	44%
Industry Staff	24,350
Consulting Firms	510
Construction Cost	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:

- ✓ 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 to 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
  - ✓ 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



# 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

President

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Management

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