



Sustaining the FUTURE of Engineering

11–12 August 2015

Premier Hotel, OR Tambo,
Kempton Park, Gauteng

Business of Consulting Engineering (BCE) Certificate Programme

Equipping future leaders in the business of Consulting Engineering.



Benefits:

- Accelerate the ability of young professionals to add value to your company
- Industry specific and developed by senior expert Consulting Engineers
- Developing business proficiency and competencies
- Becoming a holistic professional, in the field of consulting engineering

This development programme consists of three trimesters / block weeks (Monday to Friday), taking place at the CESA Training Centre in Bryanston. In the time between each block week (approximately 12 weeks) students complete 2 assignments each week with a final assessment / exam at the end of the year.

A dedicated Facilitator supports each student throughout the programme.

Students have access to CESAnet - an interactive Student and Facilitator online facility where all reading, reference and resource documents are accessible, assignments are uploaded and results and feedback are provided to the student. CESAnet also facilitates communication with Facilitator as well as classmates.

Entrance Requirements:

- BSc/BTech degree with a minimum of 2 years' experience in a CESA Member firm or
- Technical Diploma with a minimum of 5 years' experience in a CESA Member firm or
- Non-engineering tertiary education with a minimum 3 years' experience in a CESA Member firm
Supported by a 'letter of motivation' from applicant's employer

* All applications will be evaluated and approved by CESA Education & Training Committee

***** 100% of all students that have completed the Business of Consulting Engineering Development Programme, stated that they would 'Definitely' recommend this programme *****

ONLY 20 PLACES AVAILABLE

For more information and to register go to the School of Consulting Engineering website:
(011) 463 2022
www.cesa.co.za/sce

WHAT IS CESA YPF?



Consulting Engineers of South Africa's Young Professionals Forum (CESA YPF) consists of Young Professionals who are passionate about the engineering industry and are interested in ensuring the development, growth and promotion of the profession, thus ensuring the sustainability of engineering skills for the country.

CESA YPF membership is available to all qualified Young Professionals (YPs) in the engineering and Built Environment, younger than 35 years of age.

CESA YPF is operated on a non-profit basis and relies on sponsorship support from CESA member firms as well as other companies that seek to grow YPs and understand the importance of developing Young Professionals for the industry.

CESA YPF MAJOR EVENTS

- **CESA YPF Job Shadowing Initiative** – more than 800 school learners are provided with an engineering job shadowing opportunity annually.
- **Youth In Construction Career Expo** – more than 5 000 learners are exposed to engineering career and role models.
- **CESA YPF's regular regional meet-and-greet** and general topical discussion events.
- **CESA Young Professionals Sustainability Imbizo**

For more information, please contact: **Godfrey** at godfreyr@cesa.co.za
or visit us on www.cesa.co.za



Follow us on:

@THE_CESA or @CESA_YPS or #YPIMBIZO

#YPIMBIZO SPONSORS:



#YPIMBIZO #TIP :

What constitutes a proper consulting engineering firm?

- Half the ownership or principals of the tenderer must be registered by ECSA as Professional Engineers or Technologists
- The practice holds a minimum professional liability insurance (PI) of R2million for each and every claim
- Its business is conducted according to a certified Quality Management System ISO 9001 or the consulting engineering industry's equivalent QMS
- Is aligned or seeks to align with best practice principles of Business Integrity Management System (BIMS) and Sustainability in all its activities
- Is a member of a professional body and participates in its activities to advance professionalism, develop standards and maintain best practice

#YPIMBIZO topical discussion include:

- **Youth Development and Economic Empowerment** – government's and industry intentions and expectations.
- **Power, energy, electricity etc.** – sharing the bigger picture and skills and business opportunities for Young Professionals
- **Motivational: Engineers Finance** – discussion will cover personal finance, staff finance and business finance (Rich or Broke).
- **Recognition of the engineering profession** – session aim to add building blocks towards recognition of engineers
- **Collaborations** – discussion to bring change to the African diaspora through education and engineering
- **Leadership: Integrity** – empowering Young Professionals with anti-corruption armaments and good reasons why we should stop the propensity of greed and corruption.

PROGRAMME

DAY 1: Tuesday 11 August 2015

10h00 – 10h10	Programme Director Jeshika Ramchand-Moonsamy (CESA YPF Chairperson and ILISO)
10h10 – 10h20	Welcome Address Keamogetswe Mmekwa (CESA YPF Vice Chairperson and PHB Engineers)
10h20 – 10h40	Looking back – 2nd YP Sustainability Imbizo Erick Mulaudzi (CESA YPF and UWP)
10h30 – 12h30	SESSION 1: YOUTH DEVELOPMENT AND ECONOMIC EMPOWERMENT Guest Speaker: Deputy Minister in the Presidency, Buti Manamela Guest Speaker: Chief Executive Officer: Khathutshelo Ramukumba, NYDA Facilitator: Keamogetswe Mmekwa Discussion – Burning Questions
12h30 – 13h30	Lunch
13h30 – 15h30	SESSION 2: ENERGY – THE BIGGER PICTURE Pancho Ndebele – Emvelo Facilitator: Phylcia Moseamo – CESA YPF Treasurer and GIBB Discussion – Burning Questions
15h30 – 17h15	SESSION 2: MOTIVATIONAL – ENGINEERING PERSONAL FINANCE Vangile Makwakwa – author and motivational speaker, on the link between emotional intelligence and personal finance. Discussion – Burning Questions
17h15 – 17h30	Closing Remarks Mosa Tsoai – CESA YPF and Bigen Africa



#YPIMBIZO

INVITATION

COCKTAIL PARTY AND LOCAL COLOUR NIGHT



Celebrating Women in Engineering

DATE/TAREHE: 11 August 2015
TIME/MUDA: 17h30 for 18h00
VENUE/UKUMBI: Premier Hotel O.R. Tambo
DRESS/MAVAZI KIFICHO: Traditional

**Kuadhimisha
wanawake**

Most Privileged MC – Terence Modiba

- | | |
|---------------|--|
| 17h30 – 18h00 | Arrival |
| 18h00 – 18h15 | Welcome Remarks
Keamogetswe Mmekwa (CESA YPF Vice Chair and PH Bagale) |
| 18h15 – 19h00 | Keynote Address
Lynne Pretorius (CESA Vice President and ITS Engineers) |
| 19h00 – 19h25 | CESA YPF Award Ceremony
Jeshika Ramchund-Moonsamy (CESA YPF President and ILISO) |
| | Previous winners:
2013 Graham Pirie (SAACE/CESA)
2014 Infraconsult and Airports Company of South Africa (ACSA)
2015 To honour Women in Consulting Engineering and Construction |
| 19h25 – 19h40 | Vote of Thanks
Phylicia Moseamo (CESA YPF and GIBB) |
| 19h40 – 22h00 | Rainbow Hot – powered BAD VIBE and DJ Stewart T
Entertainment |

*Dress in your traditional attire... or be adventurous
and embrace another culture – no ties allowed!*

DAY 2: Wednesday 12 August 2015

07h15 – 07h45	Council and YPs arrival, Refreshments
	Welcome and Introduction of Guest Speakers Jeshika Ramchand-Moonsamy (CESA YPF Chairperson and ILISO)
07h45 – 09h30	SESSION 1 ADVOCACY FOR PROFESSIONAL RECOGNITION OF ENGINEERS “Engineers are their worst enemies” Opening remarks Abe Thela (CESA President and Nyeleti Consulting) Panel Discussions Anchor: Jeshika Ramchand-Moonsamy Panellists: Nasiegh Hamdulay – SAICA Senior Executive: Strategy Management, Assurance and Research Nic Swart – Law Society of South Africa CEO Thabo Senoone – ECSA Manager Office of CEO Trueman Goba – Hatch Goba Chairman
09h30 – 10h00	Discussion – Burning Questions to the panel and CESA Council
10h00 – 10h30	Tea and coffee break (with CESA Council Members)
10h30 – 12h30	SESSION 2 – YP ISSUES Consulting “Engineering” in the International and African Diaspora Engineer George Sitali – Group of Africa Member Association (GAMA) President Quantity Surveyor Nyami Mandindi Facilitator: Engineer Tafadzwa Mukwena (CESA YPF and Gibb)
12h30 – 13h30	Lunch
13h30 – 14h30	SESSION 3 – INDUSTRY ISSUES – CORRUPTION How to stop the scourge... Corruption Kit Integrity is everything Mzilikazi wa Afrika, South African investigative journalist Nyami Mandindi, Quantity Surveyor Facilitator: Ralph Mathekga – Political Analyst
14h30 – 15h00	Discussion and Burning Questions
15h00 – 15h20	Presentation and adoption of Imbizo resolutions Mosa Tsoai (CESA YPF and Bigen Africa)
15h20 – 15h30	Wayforward and farewell message Makotsene Makgalemele (CESA Young Engineer of the Year 2014 and HHO)
18h00 – 23h00	CESA AON ENGINEERING EXCELLENCE AWARDS (Vodaworld, Midrand)*

*Tickets to the CESA Aon Engineering Excellence Awards available for purchase separately



#YPIMBIZO

PARTNERS



ENGINEERING COUNCIL OF SOUTH AFRICA (ECSCA)

The Engineering Council of South Africa (ECSCA) is a statutory body established in terms of the Engineering Profession Act (EPA), 46 of 2000. ECSCA's primary role is the regulation of the engineering profession in terms of this Act. Its core functions are the accreditation of engineering programmes, registration of persons as candidates and professionals in different engineering and specified categories.

ECSCA also has the responsibility to ensure safety and security to the public by setting engineering standards and the code of conduct for Registered Persons.

For further information:

Waterview Corner Building, 2 Ernest Oppenheimer Avenue,
Bruma Lake Office Park, Bruma, 2198, Johannesburg

Tel/Direct: +27 (0)11 607 9500 • Fax: +27 (0)86 246 7480

e-mail: engineer@ecsa.co.za

www.ecsa.co.za



Subsidiary of  **NAKO**
Group

ENSURING A BETTER FUTURE FOR AFRICA

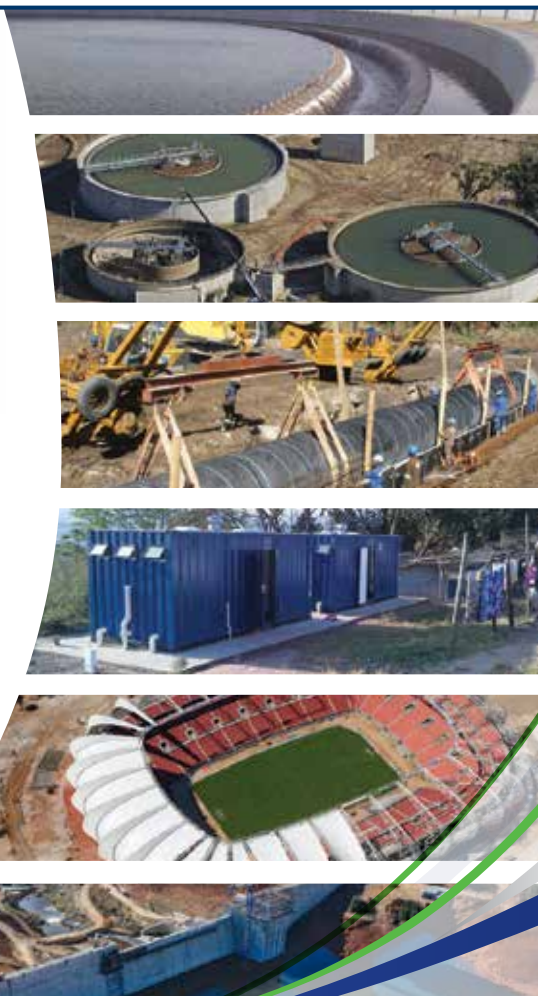
**African Consulting Engineering and
Project Management**

ILISO Consulting

203 Witch-Hazel Avenue
Highveld Techno Park, Centurion, 0157

T: +27 (0)12 685 0900 • F: +27 (0)12 665 1886

www.iliso.com





MOTT MACDONALD

Mott MacDonald is a global management, engineering and development consultancy adding value for public and private clients on agenda-setting, next-generation projects worldwide. We use our ingenuity to save our customers money and time, reduce risks, increase efficiency, maximise sustainable outcomes and advance best practice.

We do this through innovative thinking and by mobilising cross-sector, international perspectives, drawing on the immense talent and energy of our people – designers, engineers, project and programme managers, management consultants, environmentalists, planners, economists, business strategists, infrastructure finance advisors, public private partnership experts, cost consultants, low carbon specialists, technology experts, safety advisors, health and education specialists, development policy advisors and more.

For further information:

25 Scott Street, Waverley, Johannesburg 2090

PO Box 7707, Johannesburg 2000

Tel: +27 (0)11 052 1000

www.mottmac.com



Welcome to the future – a future of Mwangaza

We are all writing a part of the script which tomorrow's society will play out. At Royal HaskoningDHV we would like the title to read: 'Welcome to the future' - and for our chapter in that script to read 'Mwangaza' - a Swahili word which means 'light'. Together with our partners and clients we consider how we can create a welcoming future - developing efficient and smart living.

Whether switching on a light, travelling to work or drinking a clean glass of water - the solutions and work of our engineers surround us, making lives better and brighter. Our work contributes to the sustainable development of communities. Together, we deliver innovative sustainable answers to today's challenges.

Royal HaskoningDHV is an independent, international engineering and project management consultancy.

royalhaskoningdhv.com/za



ILISO CONSULTING

Established in 1995, ILISO Consulting is an African Consulting Engineering and Project Management firm that specialises in engineering, environmental and project management services.

Having solidified a strategic partnership with Lategan Boucher Engineers (LBE) and Triocon Consulting Engineers in 2014, ILISO Consulting is also a subsidiary of NAKO Group – an African-owned multi-disciplinary consulting engineering group.

With an enviable portfolio of award-winning contracts, ILISO Consulting is fully established in South Africa, Namibia, Uganda, and Zambia – with collaborative partners in Botswana, Nigeria, Lesotho and Mauritius.

Thanks to a clear vision, a commitment to living its values and above all, its outstanding people, the reputation associated with the ILISO Consulting name is that of integrity, innovation, quality and service excellence.

For further information:

203 Witch-Hazel Avenue, Highveld Techno Park, Centurion, 0157

PO Box 68735, Highveld, 0169

Tel: +27 (0)12 685 0900 • Fax: +27 (0)12 665 1886

www.iliso.com

ENGINEERING FOR SOUTH AFRICA



The Engineering Council of South Africa (ECSA) is a statutory body that has regulated engineering practice for more than 40 years in South Africa.

ECSA exists as a regulatory body for the engineering profession. Engineering is essential and beneficial to society and the economy, therefore ECSA has a role to set certain professional standards in the interests of public safety and the economy. In addition, engineering services must be of high quality in the interests of maintaining a high standard of infrastructure in South Africa.

Registration of engineering practitioners as professionals or candidates in the categories of engineer, technologist, technician, certificated engineers, and specified categories is a key function of ECSA. Registrations with ECSA exceeds 40 000 members.

The registration system has been established by law to ensure competence and accountability.

Registration provides public recognition that the registered person has, through education, training and experience, demonstrated competence at an established level. It signals to the public, employers and peers that the person has not only demonstrated competency, but is bound by a Code of Conduct, is accountable for professional conduct and committed to maintaining his or her competency.

www.ecsa.co.za

For more information on ECSA and for registration, contact: Call centre: 011 607 9587/9502/9571/9554 • Tel: 011 607 9500 • Fax: 011 622 9295 • Email: engineer@ecsa.co.za • Web: www.ecsa.co.za
Postal: Private Bag X691, Bruma, 2026 • Physical: 1st Floor Waterview Corner, Bruma Office Park 2 Ernest Oppenheimer Ave, Bruma, Johannesburg



ROYAL HASKONINGDHV

Royal HaskoningDHV is an independent, international engineering and project management consultancy with more than 130 years of experience in aviation, buildings, energy, industry, infrastructure, maritime, mining, rural and urban areas, and water. Backed by the expertise and experience of 7,000 colleagues from 100 offices in 35 countries, our professionals combine global expertise with local knowledge to deliver a multidisciplinary range of consultancy services for the entire living environment. By showing leadership in sustainable development and innovation, together with our clients, we are working to become part of the solution to a more sustainable society now and into the future.

In Africa it offers strategic project expertise across the continent through offices in South Africa, Botswana, Zimbabwe, Mozambique and Tanzania and employs in excess of 1,000 professionals in a branch network of over more than 15 centres.

In its 2014 rankings, Engineering News-Record (ENR) placed Royal HaskoningDHV 10th in Africa. Royal HaskoningDHV has a Level 2 Broad-based Black Economic Empowerment (B-BBEE) Status in South Africa.

For further information:

royalhaskoningdhv.com

AFRICAN INSPIRATION GLOBAL STRENGTH



GLOBAL ENGINEERING AND MANAGEMENT CONSULTANCY MOTT MACDONALD AND LEADING BEE STARTUP ENGINEERING PRACTICE PDNA HAVE COMBINED OPERATIONS IN SOUTHERN AFRICA TO CREATE A NEW INFRASTRUCTURE ENGINEERING AND MANAGEMENT CONSULTANCY FOR THE ENTIRE SUB-SAHARAN REGION AND BEYOND.

Mott MacDonald is a global management, engineering and development consultancy adding value for public and private clients on agenda-setting, next-generation projects worldwide. We use our ingenuity to save our customers money and time, reduce risks, increase efficiency, maximise sustainable outcomes and advance best practice.

Our Sub-Saharan Africa business with 800 people in 15 centres across South Africa, Botswana, Mozambique, Uganda and Mauritius, combines complementary skills, African experience, leading edge abilities and best practice into a single-source, capable of delivering the complex next-generation projects that will drive Africa's social and economic success. Our African business model is geared to provide advisory, design and management services to public and private sector clients.

OUR 10 CORE BUSINESS SECTORS IN AFRICA INCLUDE:

- > Buildings and Infrastructure
- > Highways and Bridges
- > Infrastructure Finance
- > International Funding Institutions
- > Mining and Ports
- > Power
- > Railways
- > Tunnelling and Geotechnical
- > Urban Development
- > Water and Environment

Johannesburg - 25 Scott Street, Waverley 2090 - P O Box 7707 Johannesburg 2000
T: +27 11 052 1000 E: johannesburg@mottmac.com W: www.mottmacpdna.co.za



The Voice of Consulting Engineering

Fulham House,
Hampton Park North,
20 Georgian Crescent,
Bryanston, South Africa

P O Box 68482,
Bryanston, 2021

Tel: +27 11 463 2022
Fax: +27 11 463 7383

#YPIMBIZO SPONSORS:

