

WomENG

Women in Engineering



Creating the next generation of women engineering leaders in Africa & the world while creating gender parity & diversity in the engineering industry

A product of

WomHUB

Promoting Engineering



Fostering Innovation



Mentorship



Developing Engineering Leaders



WATER NEUTRALITY:

The factory will source 1,000 m³ of rain water (stored in a tank) to supply the bulk of its domestic water requirements. It will generate and reuse the rest, recycling a supply of wastewater.

The factory is using the 14,000 m³ of factory rain water from site as a portable reservoir to collect rain water to be used as the primary source of water for the site.

The site is collecting on average 200 m³ of rain water per day which is the equivalent of the water used by 100 families in a day. Rainwater is being stored in a tank for use by the site.

CARBON NEUTRALITY

The factory is responsible for its own emissions of greenhouse gases from all its activities in a consistent 'carbon neutral' footprint. It will be set up to be a net-zero and any necessary emissions that arise will be offset by investing in carbon reduction activities. The following approach is suggested:

- ▶ Reduce on-site energy consumption (A-EF)
- ▶ Improve on-site energy efficiency (A-EF)
- ▶ Use alternative low CO₂ emitting energy sources (10% of on-site renewable sources)
- ▶ Purchase Green Energy Certificates to Carbon Offset (10% of on-site renewable sources)

PROJECT ACHIEVEMENT SO FAR

The construction of 1 site contributes significantly to reducing its energy consumption in the current 2 site operation.

Energy used in per Carbon design (2010)	17,100 kWh / 100,000 sqm
Energy used in per Carbon design (2011)	1,100 kWh / 100,000 sqm
Energy used in per Carbon design (2012)	1,100 kWh / 100,000 sqm
Energy used in per Carbon design (2013)	1,100 kWh / 100,000 sqm
Energy used in per Carbon design (2014)	1,100 kWh / 100,000 sqm
Energy used in per Carbon design (2015)	1,100 kWh / 100,000 sqm

AT FULL CAPACITY - 60% ENERGY REDUCTION

FIRST WHOLEVER PLANT TO BE COMPLETELY WATER NEUTRAL WORLDWIDE

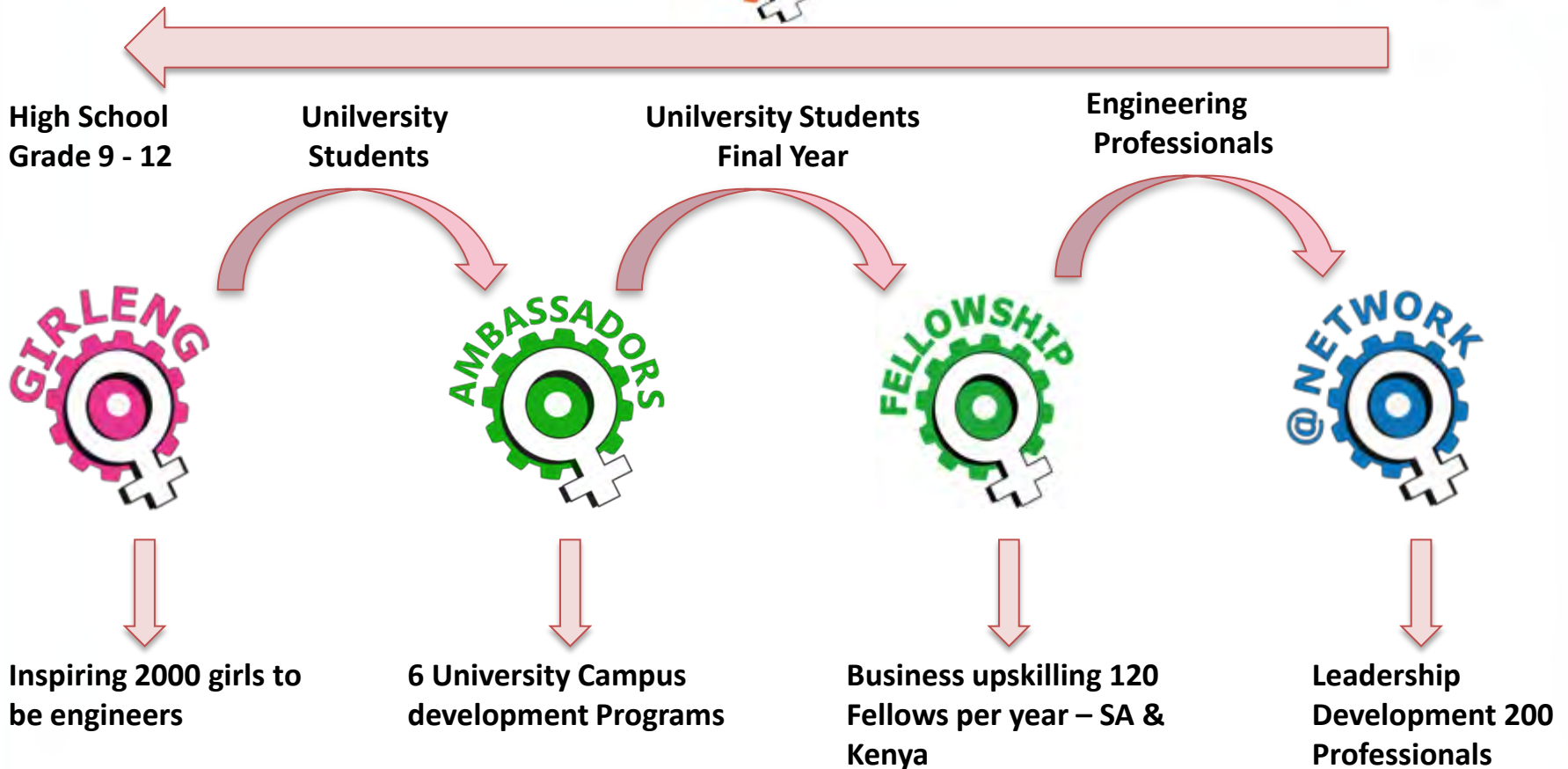
Consulting to Industry



Celebrating Women in Engineering



Skills Pipeline Intervention



GirlEng Changing Lives



Our Impact



- Career Awareness
- Mentorship
- Personal development
- Role modelling
- Making engineering sexy
- Developing young women
- 2000 GirlEngers in South Africa
- “Bursary ready candidates”
- 1st graduates in 2014
- 8 out of 9 provinces

Fellowship Projects with Impact



What we teach



- Business skills
- Entrepreneurship
- Networking
- Mentorship
- “Finding your voice”
- Teamwork
- Leadership
- Opportunity awareness



Our Impact: Unilever Case



- Strategic 9 year partnership
- Recruited 28 top female engineers
- Retained 26 top female engineers
- UFLP graduates
- Bursary students
- Top Company to work for



@network: *Engaging the Industry*



@network



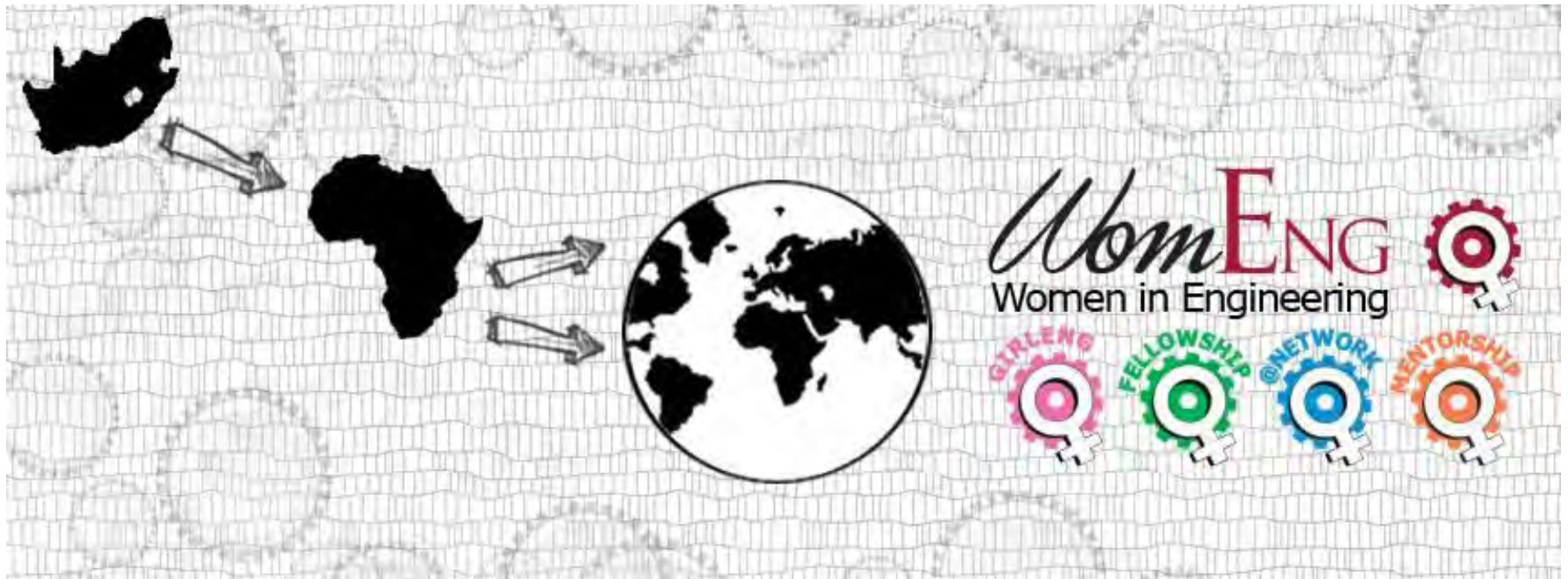
- CEO Panels
- Thought Leadership
- Emerging Engineering Leaders
- WomEng pods
- Industry development



Mentorship: Our golden thread



Going Global



The Next 5 years



Revolutionizing the Face of Engineering



Working with the engineering industry in South Africa and Kenya to change the paradigm on gender in engineering



Unilever

WeTech™

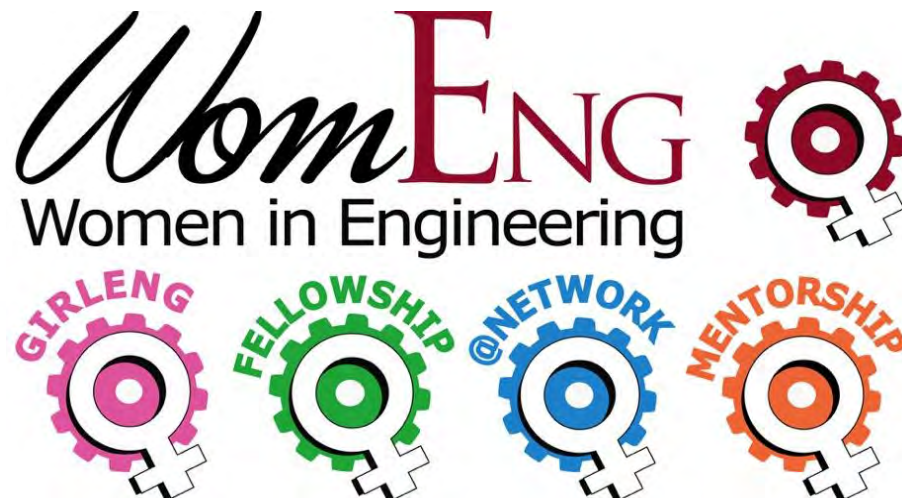


United Nations
Educational, Scientific and
Cultural Organization



SASOL
reaching new frontiers





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