



Value-creation through Partnerships  
and in Response to  
Socio-Economic Challenges

Rudi Kimmie (PhD), Manager: Hub for the  
African City of the Future

What keeps  
you awake at  
night?

Note;  
**NOT** 'Who',  
but 'What'?



Political uncertainty?

Economic challenges?

Social issues?

Disasters don't happen; they become!



The Future is NOT what you think it'll be



Volatility

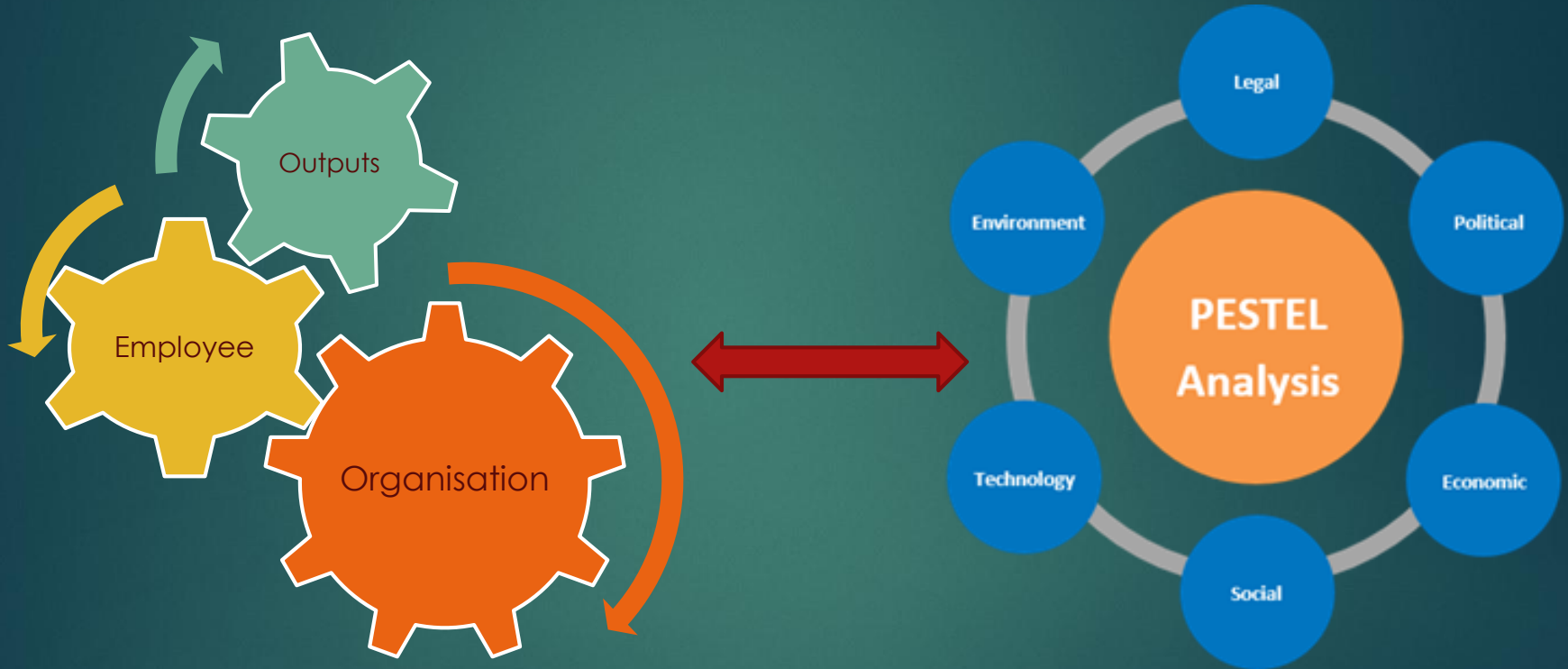
Complexity

Ambiguity

Uncertainty

Risk

# Symbiosis



PESTEL factors impacting our lives.

# Africa: Different Narratives



## Africa Falling

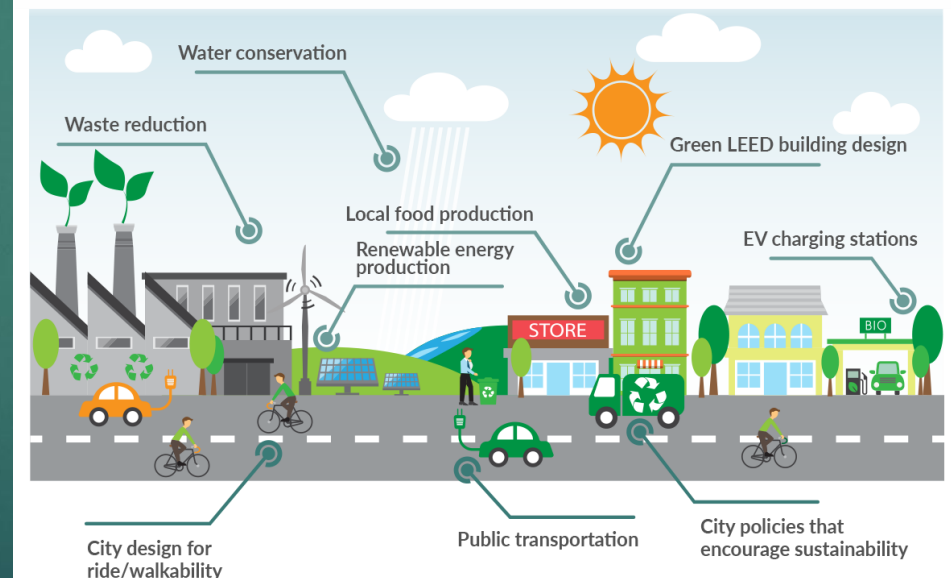
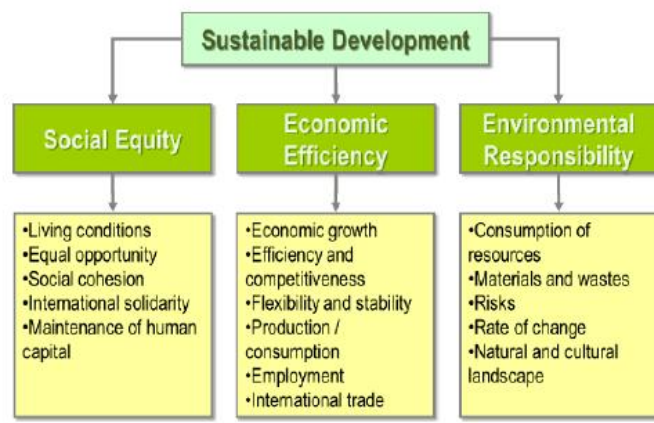
- ❖ Poor Governance; corruption;
- ❖ Social upheaval;
- ❖ Poorly managed economies - cycles of low economic growth;
- ❖ Reduced low FDI;
- ❖ Declining business confidence;
- ❖ Restive population.

## Africa Rising

- ❖ 6 of 10 fastest growing economies;
- ❖ Poised to have largest labour force by 2035;
- ❖ Poverty on retreat; education on the rise;
- ❖ 60% of the world's unused cropland;
- ❖ Bulk of the world's non-renewable resources
- ❖ Fastest growing number of millionaires globally (Credit Suisse Report 2015).



# Just imagine.....



*The technology of tomorrow requires (wo)men who can make critical judgments, who can weave their way through novel environments, who are quick to spot new relationships in the rapidly changing reality.*

**Alvin Toffler, *Future Shock*, 1970**



How do we grow value in a  
VUCA environment?

# UKZN's Role in the Knowledge Economy?

## WHAT DO WE DO?

Are our activities informed by a reality-based Vision?  
Is it aligned to current and evolving trends?

## WHY DO WE DO IT?

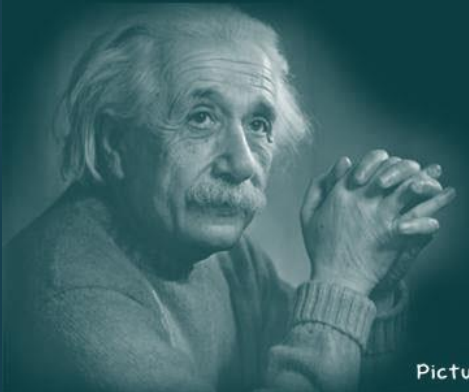
Shaped by Social Impact?  
Respond to national imperatives?

## HOW CAN WE DO IT BETTER?

Tap into stakeholder synergy;  
Resource mobilisation

So, ....

**Insanity: doing the same thing over and over again and expecting different results.**



**Albert Einstein**

PictureQuotes.com

- WE NEED TO ALIGN OUR *PRAXIS* WITH A CHANGING WORLD
- THROUGH MULTI-DISCIPLINARY COLLABORATION, WE CAN CREATE BETTER VALUE
- WE NEED TO BE MORE SOCIALLY RESPONSIVE

*Creativity is thinking  
up new things.*

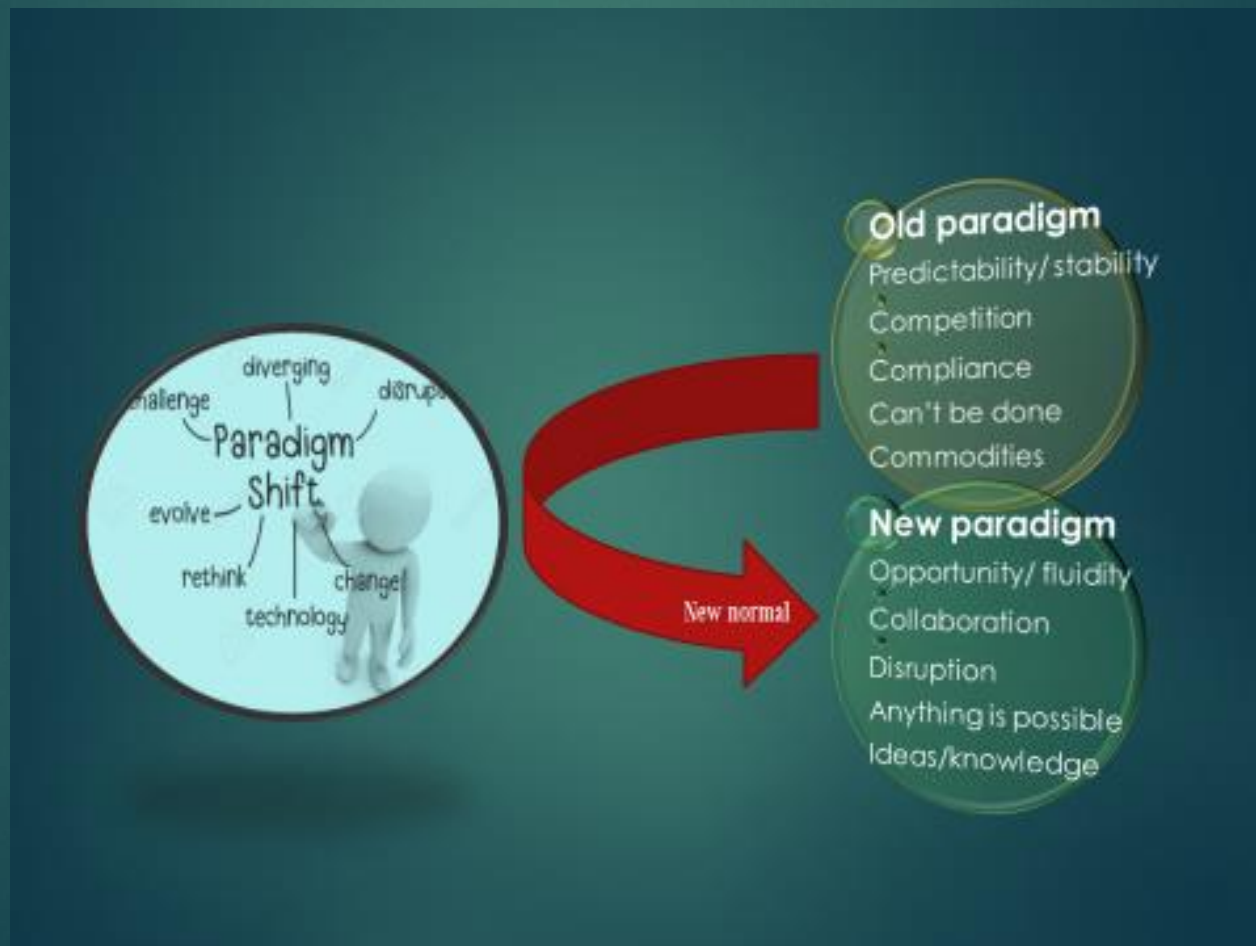
*Innovation is doing  
new things.*

**Theodore Levitt**

# AfriHub - 'A Change is Gonna Come'

'The illiterate of the 21<sup>st</sup> Century will not be those who cannot read and write, but those who cannot learn, unlearn and relearn.'

Alvin Toffler, *Future Shock*, 1970





## What is AfriHub?

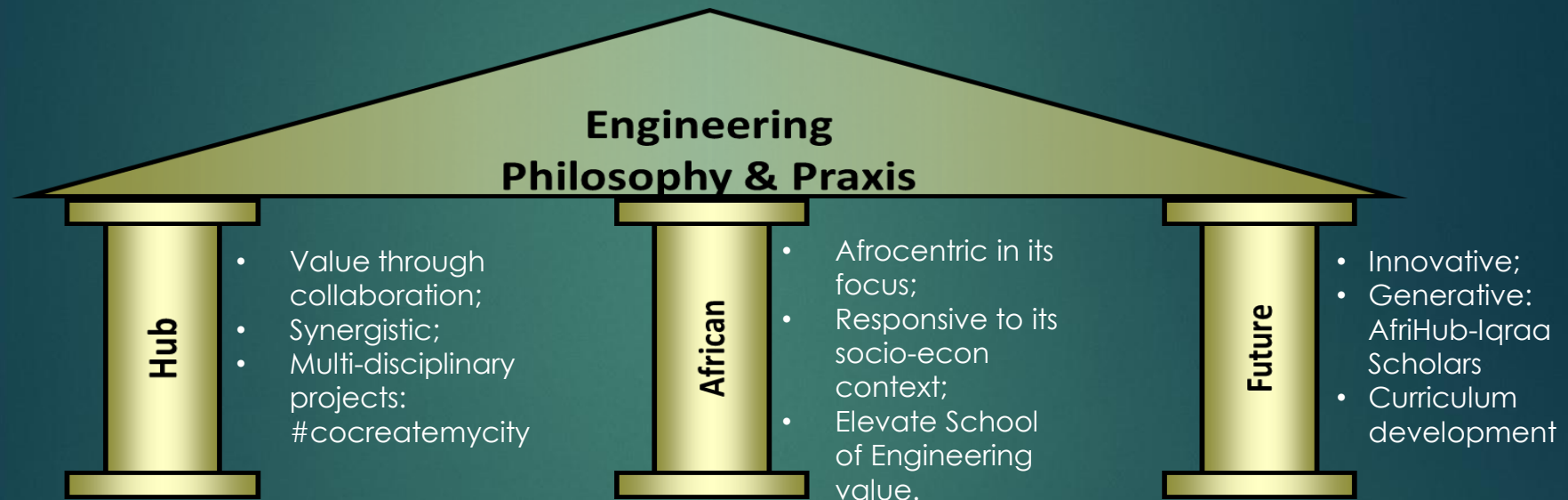
Not

- ❖ a unit; a centre
- ❖ a school; institute
- ❖ Project

It is

- ❖ Ethos
- ❖ An engagement vehicle
- ❖ Possibly a “Research Theme”
- ❖ A business model
- ❖ A response to rapidly changing social, economic, political and technological environment
- ❖ ‘DNA’ of Engineering

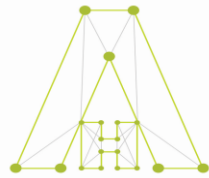
# Core Values and Objectives of the AfriHub



# AfriHub: Value Proposition

1. Provides a unique opportunity to challenge and contribute to improvements in engineering education.

2. Can become a catalytic, provocative and transformative vehicle, pursuing innovative projects that show the School of Engineering's differentiators.



**AfriHUB**

4. Contributes to broad based capacity development through Eesap; MOU's; income generation; etc

3. Is a powerful platform for intra/extra organisational dialogue; generate ideas and forge strong partnerships.



Synergy  
+  
Collaboration



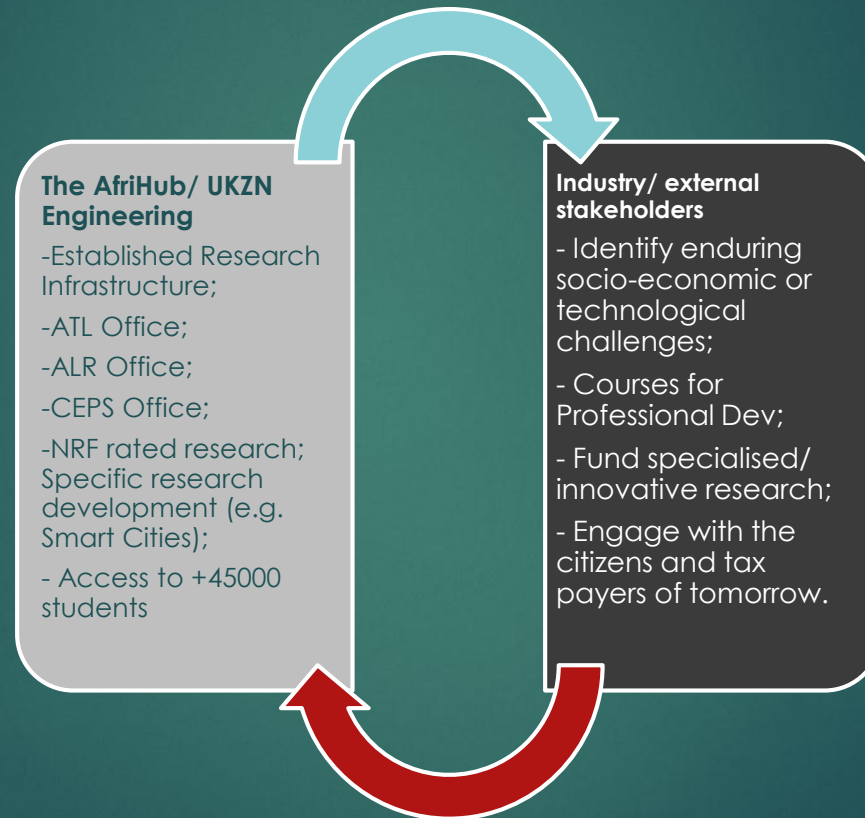
= Innovation



# Engaging with the AfriHub



# Operational Model between AfriHub/ Engineering Depts & External Stakeholders



# Existing Research Partnerships with Msunduzi and eThekweni Municipalities



# Growth and Sustainability



Be guided by sustainability principles



Continue to leverage support



Focus on building a Shared Vision

# Building Value is not a straight line.....

Best practice benchmarking

- Upskill our academics through broadening contextual awareness; multidisciplinary engagement.



*Kaizen*

- Make incremental improvements; seek ways to improve and optimise the systems which we operate.



Innovate/Future focused

- Evaluate successes and failures; plan ahead.



The Hub for the African City of the Future

Invites you to a Seminar

By

ABSA Stockbrokers

On

The Power of the Stockmarket

SEMINAR DETAILS

DATE: 02 March 2017
TIME: 10h00
VENUE: Lecture Room 1, GSB, Westville Campus

RSVP Essential

RSVP to: dlamini@ukzn.ac.za
By: 27 February 2017

INSPIRING GREATNESS

WORKSHOP OVERVIEW

Income generation through smart investments lies at the heart of wealth creation and financial sustainability. Many South Africans suffer from high indebtedness and lack of financial skills resulting in financial vulnerability. The Power of the Stockmarket presents a unique opportunity to learn how the stock market works and how one should plan to invest in the stock market. It will cover investment strategies, risks and most importantly, the 7 rules of the stock market.

ABOUT THE FACILITATORS

The Hub for the African City of the Future (AfriHub) is an initiative within the UKZN's School of Engineering. Its Mission is to facilitate multi-disciplinary engagement that will result in innovative and sustainable solutions for African problems. Activities under the AfriHub include forging collaborative, strategic partnerships with a diverse range of stakeholders which can contribute to knowledge advancement on technology, business and development issues by hosting interactive knowledge forums. ABSA Stockbrokers represents one of the top banks in South Africa.



Invites you to

A Scratch Computer Coding Workshop



DATE: Friday, 12 May 2017

TIME: 14h00-17h00

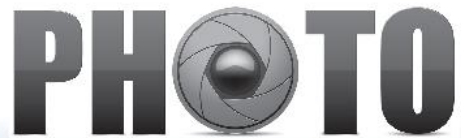


VENUE: Civil Engineering LAN, Howard College Campus, UKZN

RSVP Essential
RSVP to: dlamini@ukzn.ac.za
by Tuesday, 9 May 2017



SNAP @ ENGINEERING



Competition



WORKSHOP
Technology is reshaping our lives and liberates us and gives us more than we expect. At the heart of all this is the set of these technologies that most of us do not understand in our lives.

Learn the basics of introduction to Scratch non-profit CodeMakers. What you will learn and drop coding around the world, maybe how to make that will take you to Harvard Law school. How to make the have come to life. 7yr old learners in code. What's stop

ABOUT
CodeMakers is a teacher-led computer program primed to introduce students of all ages to systems. Under the program unlocks the computer and The Hub for the (AfriHub) is an initiative of Engineering. It disciplinary engage innovative and students.

Terms and Conditions:
Rum qui quo te autorem in mo ebat, velocitas praeterit consequat dolorum las et vestit esumpit atiribit usapidi optal lanti apic totatis quant.

Entry Information
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Research Chair in Engineering Innovation and Entrepreneurship



Hub for the African City of the Future (AfriHub)



- Value creation that promotes intellectual, social and economic advancement lies at the heart of the Hub for the African City of the Future (AfriHub). Through AfriHub, the University of KwaZulu-Natal can play a critical role in this regard through refocusing educational curricula, multi-disciplinary collaboration, improving training and skills development, fostering an entrepreneurial culture and leveraging greater value from its intellectual assets.
Building the Knowledge Economy through Philanthropic Engagement: Attracting financial resources to enhance the knowledge economy by funding workshops, projects, or Research Chairs, will form an integral part of the activities of the Hub.
Community Outreach: Key to the UKZN's social impact is community outreach. Progress is already underway through the CREATE programme between UKZN's Graduate School of Business & Leadership, School of Engineering and MIT. The aim is to capacitate SMMEs in the KZN region.

The Hub for the African City of the Future (AfriHub)

- AfriHub is a strategic project under the UKZN's School of Engineering. The project pursues two overlapping objectives.
Catalytic: To create value through innovative research and multi-disciplinary collaboration.
Transformative: To align the teaching and educational outcomes with market and societal needs.
Activities under the Hub will include the following:
Multiple-Engagement with Industry Stakeholders: Collaboration with industry partners will promote ideas, dialogue and collaboration which is essential for research to address complex social and technological challenges. Synergy across disciplines can result in better resource mobilisation.
Entrepreneurship Development: Entrepreneurs drive economic growth. Hence AfriHub must promote entrepreneurship skills to prepare learners for globalisation, increasing competition and dwindling resources.



University of KwaZulu-Natal Civil Support Fund #Knucs Cares!

LEGACY OF EXCELLENCE

We Inspire, We Educate, We Support, and We Care! This makes UKZN's Civil Engineering great!
With a legacy that extends to over half a century and reaches all over the world, graduates of Civil Engineering at former University of Natal and currently University of KwaZulu-Natal, have shared a trail of innovation, design and business successes across the globe.
To assure progression of this legacy visionary thinkers within the discipline started the KwaZulu-Natal University Civil Support (KNUCS) Fund in 1980. The aim of the Fund was to grow teaching and research excellence by supporting scholarship and academic skills at the University.
What KNUCS Does
The KNUCS Fund ensures sustainability of UKZN's Civil Engineering by attracting funding and in kind support from corporates and individuals within the Civil Engineering, Construction and Consulting sectors. Disbursements are decided by a steering committee comprising the Dean of Engineering, the Head of the Civil Engineering programme, and key members from industry: the Chair of the KZN Branch of SAICE, the Chair of KZN Branch of CESA, and the Head-Engineering of the eThekweni Municipality (or nominee).
The Steering Committee meets at least once a year (or more frequently if necessary) to decide on fund disbursements. A quorum requires the presence of at least 3 out of the 5 members of which at least 2 must be from the industry partners. Operating rules may be changed by the steering committee should this be necessary.
Supporting KNUCS benefits the University and Civil Engineering industry
Budget reallocation in higher education, difficulties attracting young, innovative staff to academia and limited resources for innovative research, poses serious challenges to the viability and sustainability of UKZN's Civil Engineering. Providing financial support to the KNUCS Fund will benefit the full value chain of Civil Engineering at UKZN sustaining excellence in graduates and research.
All donations when channelled through the UKZN Foundation, qualify for Section 18A Tax Exempt status and earn BBBEE scorecard points.

INSPIRING GREATNESS





End

Questions? Way forward?