Circular Economy Symposium 2019

Shaping the Future of the Circular Economy

Why Does the Circular Economy Matter to Youth?

Environmental Conservation – Soil, Crop, Food

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Why Does the Circular Economy Matter to Youth?

Environmental Conservation – Water

Why Does the Circular Economy Matter to Youth?

Environmental Conservation – Energy

Why Does the Circular Economy Matter to Youth?

Environmental Conservation – Waste Beneficiation

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Why Does the Circular Economy Matter to Youth?

Opportunity to transcend Job Scarcity Limitations

Why Does the Circular Economy Matter to Youth?

Opportunity to transcend Job Scarcity Limitations (Ref: Goldschmeding Report)

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Solar Panel Installer

Novel Technicians for Waste products used

Recycling Operative, Food Waste Re-users, Unused Food Distribution

Social Impact Analysts

Recycling Trade Regulators and Associations

Couriers

Teachers

Partnerships and Opportunities

THINK GREEN

green youth

indaba

Partnerships and Opportunities

WATER
RESEARCH
COMMISSION

wader

WATER TECHNOLOGIES
DEMONSTRATION PROGRAMME

An initiative of the Department of Science and Technology
and the Water Research Commission

Partnerships and Opportunities

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UNLEASH

Partnerships and Opportunities

Global Cleantech Innovation Programme | South Africa

Partnerships and Opportunities

SAB

ENTREPRENEURSHIP PROGRAMME

Partnerships and Opportunities

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Township Economy

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ZAR 100bn Opportunity

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UNTAPPED

Why Is Yellow Beast (Pty) Ltd Here?

What are the Challenges?

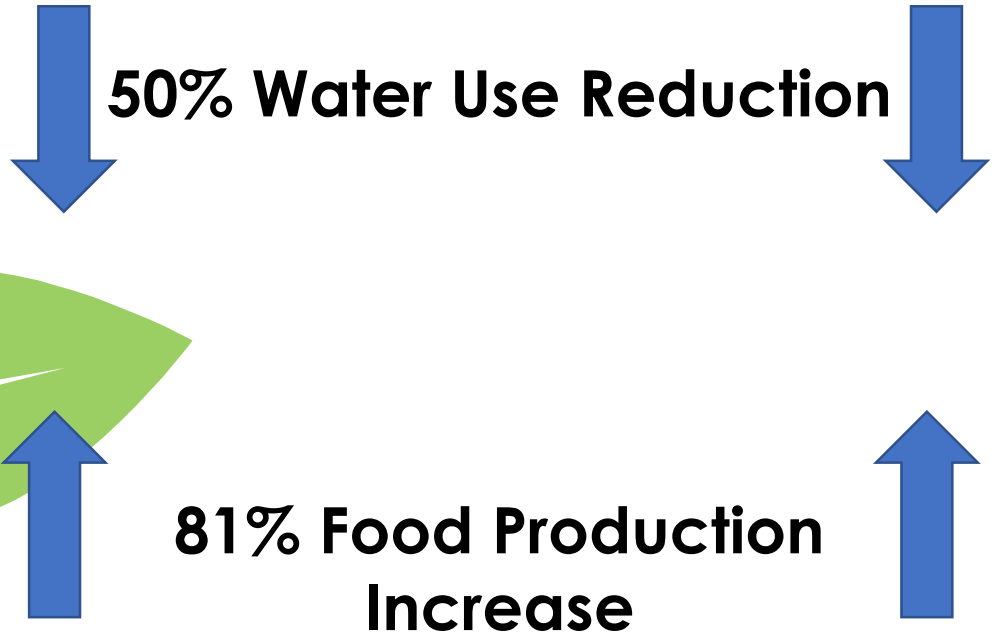
Big Shark Bite

Climate Change + Water Shortages

60% Consumption

What are the Challenges?

Big Shark Bite



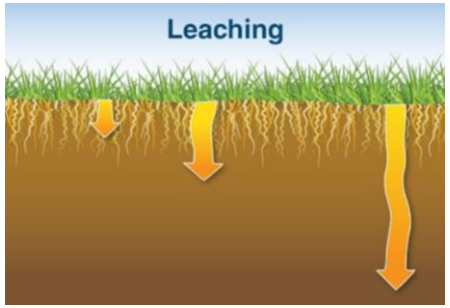
What are the Challenges?

Little Shark Bite

Evaporation + Transpiration =
EvapoTranspiration (ETo)

Natural Evaporation

Imprecise Over-irrigation



Leaching Beyond Root-Zone

What We Do

NOSETSA

Soil Probe

Controller

Valve Unit

Machine Learning • Autonomous Irrigation • Real Time Data •
Avoids evaporation • Prevents over-irrigation • Ensures plant health

How It Works

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Existing Lines =

Nosetsa in CE?

Responsible Manufacturing

Water Use Efficiency

Energy Use Efficiency

Soil Conservation and Groundwater Pollution Prevention

CE at System Level?

More Impact Funding

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More space to take risks

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Influencers and Decision Makers must Encourage Activity

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Policy Development and Implementation

Changing Status Quo

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PERCEPTION