



# Eco Systems & Automation

**Turnkey Eco Solutions**

**Containers | Solar | Water | Electrical | Civil**



Capability Profile

2020 JULY



Thank you for opportunity to present our company to you.

We are excited to partner with you as we offer solutions and become part of your journey.



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## References

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## Who we are



We are two aspiring individuals who established a company during 2020 Q2, trading as 'Eco Systems and Automation' operating from Johannesburg.

Our individual involvement over the last 10 years have been in sectors ranging from residential through industrial, doing:

- Roof mounted PV solar and backup systems - design and install
- Electrical panels & wiring - design and install
- Automation – design and install
- Greywater re-use systems - install and monitor
- Civil Engineering - feasibility studies and concept designs
- Project Management - Certified Project Management Professional, through PMI

We strive to serve our customers with care, accountability and respect, providing effective solutions and having capability and skill by being involved from the concept phase, through to installation and commissioning.

In the following slides we reveal more of our capability and focus areas.



## What we offer

We offer Turnkey Eco Solutions for

- Containers
- Solar and Backup Power Systems
- Water
- Electrical and Automation
- Civil

for all residential, commercial and industrial sectors.





# Container Solutions

An example of a garden cottage





The culture of converting containers into homes and office space has risen in the last decade.

When compared to it's brick-and-mortar counterparts, containers can be neat and financially viable alternatives to use as homes, garden-cottages, classrooms, offices, storage units, kitchens, log-cabins, cafe's / shops, student housing and training facilities amongst others.

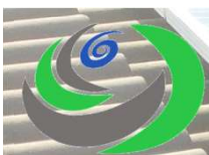
Some benefits of containers converted into temporary offices or shops are its relatively short duration to convert & complete and its inherent ability to be modular and mobile.

We deliver the full container solution, including foundations, plumbing, electricals and finishes.



An example of containerized office space





# Solar and back-up power systems

A solar and backup power system installed by ourselves



Solar and back-up power systems have transcended from a luxury into a necessity.

A typical payback period of 5 to 8 years can be expected, with the system retaining its effectiveness in excess of 20 years, with minimal maintenance.

We cover the whole project phase, from conceptualising, through design, supply and installation for the residential, commercial, industrial and agricultural sectors.

We provide

- Grid-tied
- Grid-interactive
- Off-grid solar
- On/off-line UPS
- Battery backup
- Active power filter - systems

Solutions installed  
by ourselves







# Water solutions



An example of a biological self cleansing swimming pool



It's no secret that water is vitally important; it is one of the absolute essentials for life. And its impact extends far into other important issues - including issues that impact poverty.

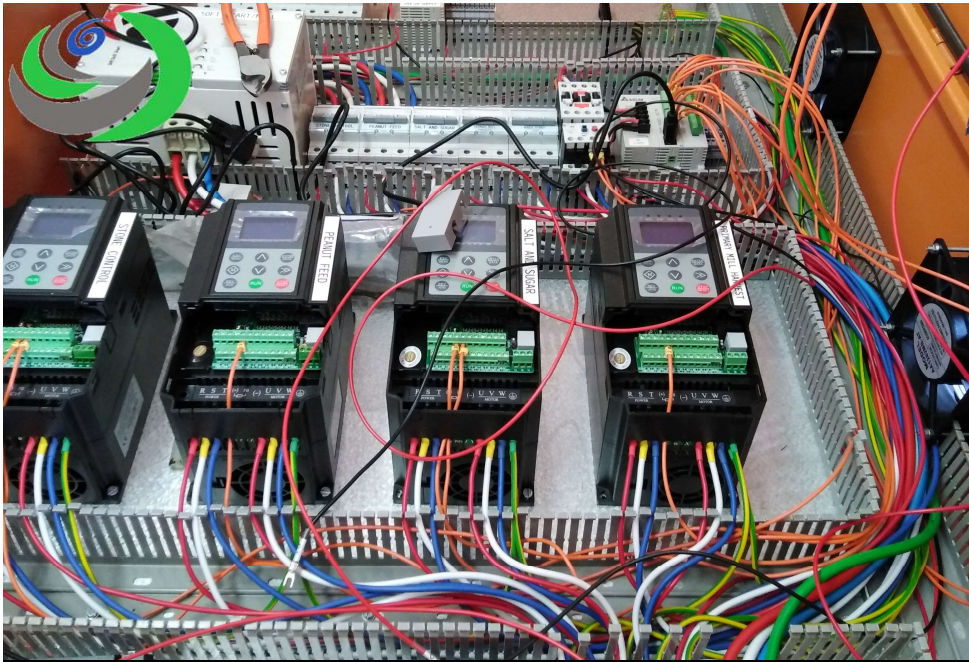
We provide solutions for the residential, commercial and agricultural sectors, ensuring you become a good steward for this precious resource.

We conceptualize, design, supply and install the following water solutions making use of reputable products and suppliers.

- Grey water re-use systems
- Rainwater harvesting
- Bore hole solutions
- Agricultural and horticultural systems
- Aquaponic and hydroponic systems
- Biological self-cleansing pools and ponds

Photos/images by  
others





# Electrical & Automation Solutions





The term 'smart' has transcended from smart-homes into terms such as smart homes, but instead has been transcending into 'smart-homes, where your living space and devices are integrated.

We serve the residential, commercial, industrial and agricultural sectors with a wide range of electrical and automation solutions.

We cover design, supply and installation for all sectors in

- Automation
- Panel building
- General electrical solutions

Work done by us





# Civil & Project Management Solutions





Our Civil and Structural Engineering experience can provide workable solutions for most civil related projects.

With certification and capability in the field of Project Management, we can manage any project from concept through to final handover.

