

# Using Green Star and Mother Nature to Introduce Green Cleaning into Buildings

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# INTRODUCTION TO GBCSA.



**OUR PURPOSE IS  
TO INSPIRE A BUILT  
ENVIRONMENT IN WHICH  
PEOPLE AND PLANET THRIVE.**

## WHAT WE DO

1.



**WE ADVOCATE**

2.



**WE TRAIN**

3.



**WE CERTIFY**

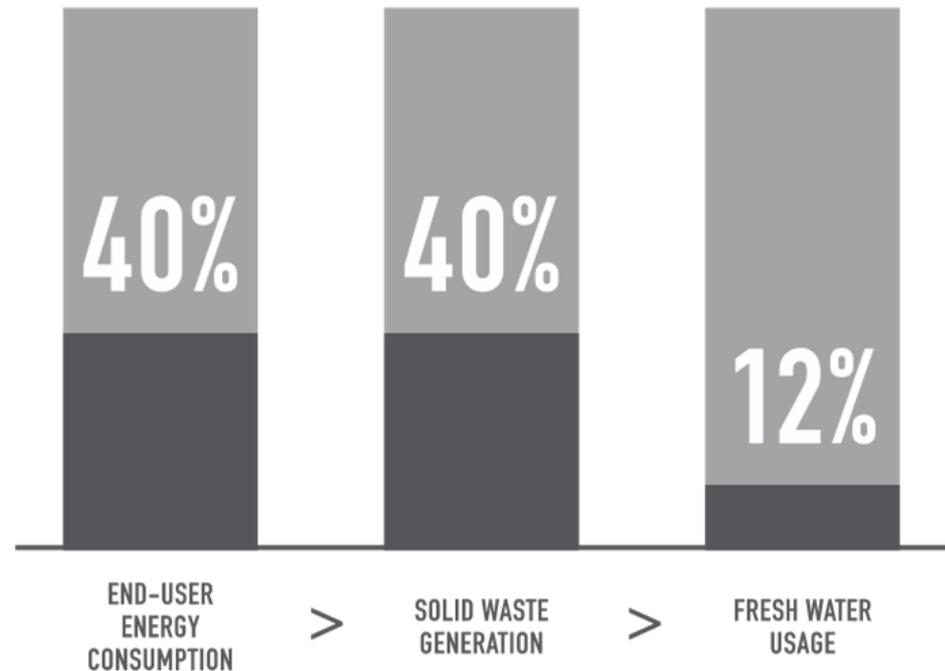
# WHY GREEN BUILDINGS?

## BUILDING GREEN IS ESSENTIAL

**50%**

**ALMOST HALF OF ALL ENERGY GENERATED IN THE WORLD IS USED BY BUILDINGS. MORE THAN HALF OF ALL RESOURCES ARE USED IN CONSTRUCTION.**

### GLOBAL CONSTRUCTION IS RESPONSIBLE FOR



## WHAT IS A GREEN BUILDING?



A building which is energy efficient, resource efficient and environmentally responsible and it incorporates design, construction and operational practices that significantly reduce or eliminate the negative impact of development on the environment and occupants.

# INTRODUCTION TO GREEN STAR.



ENERGY WATER PERFORMANCE V1



**NET ZERO**  
carbon

NEW BUILDING &  
MAJOR  
REFURBISHMENT

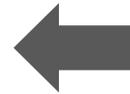


INTERIORS



**ASSESSES DESIGN & BUILD, ONCE OFF**

EXISTING  
BUILDING  
PERFORMANCE



**ASSESSES OPERATIONS, ON-GOING**

## Categories of all Green Star SA rating tools



MANAGEMENT

INDOOR  
ENVIRONMENT  
QUALITY

ENERGY

TRANSPORT

WATER

MATERIALS

LAND USE &  
ECOLOGY

EMISSION

INNOVATION

## SCORES

Rating	Score at least:	Represents
One Star	10	On a Journey to a Better, Greener Building
Two Star	20	On a Journey to a Better, Greener Building
Three Star	30	Good Practice
Four Star	45	Best Practice
Five Star	60	South African Leadership
Six Star	75	World Leadership

## MAN-4: GREEN CLEANING PERFORMANCE

GREEN CLEANING POLICY: 1 POINT

**Standards & performance measurements and metrics:**

- stipulated, goals set.

**Implement procedures and strategies:**

- operating, handling, storing cleaning equipment/chemicals
- protecting vulnerable groups

**Quality assurance control processes:**

- Inspections, SLA's, training plans, occupant feedback system

CLEANING AUDIT: 0.5 POINTS

Conduct regular cleaning audits of entire facility in accordance with guideline set out. And score average of 3 or less must be obtained.

PURCHASE OF GREEN CLEANING CONSUMABLES: UP TO 2 POINTS

**Top 3 cleaning consumables (by cost) purchased each have:**

- declared and achieved score on questionnaire based on

**OR**

- the products are ecolabeled and are on the GBCSA's recognised list.

AREAS NOT UNDER THE CONTROL OF BUILDING MANAGEMENT

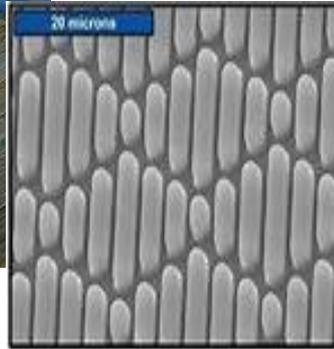
Tenant guidelines must be issued recommending consumables etc.

# INTRODUCTION TO MOTHER NATURE.

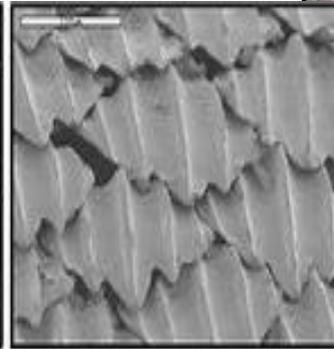
## MOTHER NATURE AS A CLEANER



# MOTHER NATURE AS A CLEANER



*Sharklet™ Surface Technology*



*Galapagos Shark Skin*



# MOTHER NATURE AS A CLEANER





# MOTHER NATURE AS A CLEANER

LEARNING FROM NATURE:  
BIOMIMICRY



REDUCE POLLUTANTS

ENHANCE WATER QUALITY

IMPROVED USER EXPERIANCE

NOISE CONTROL

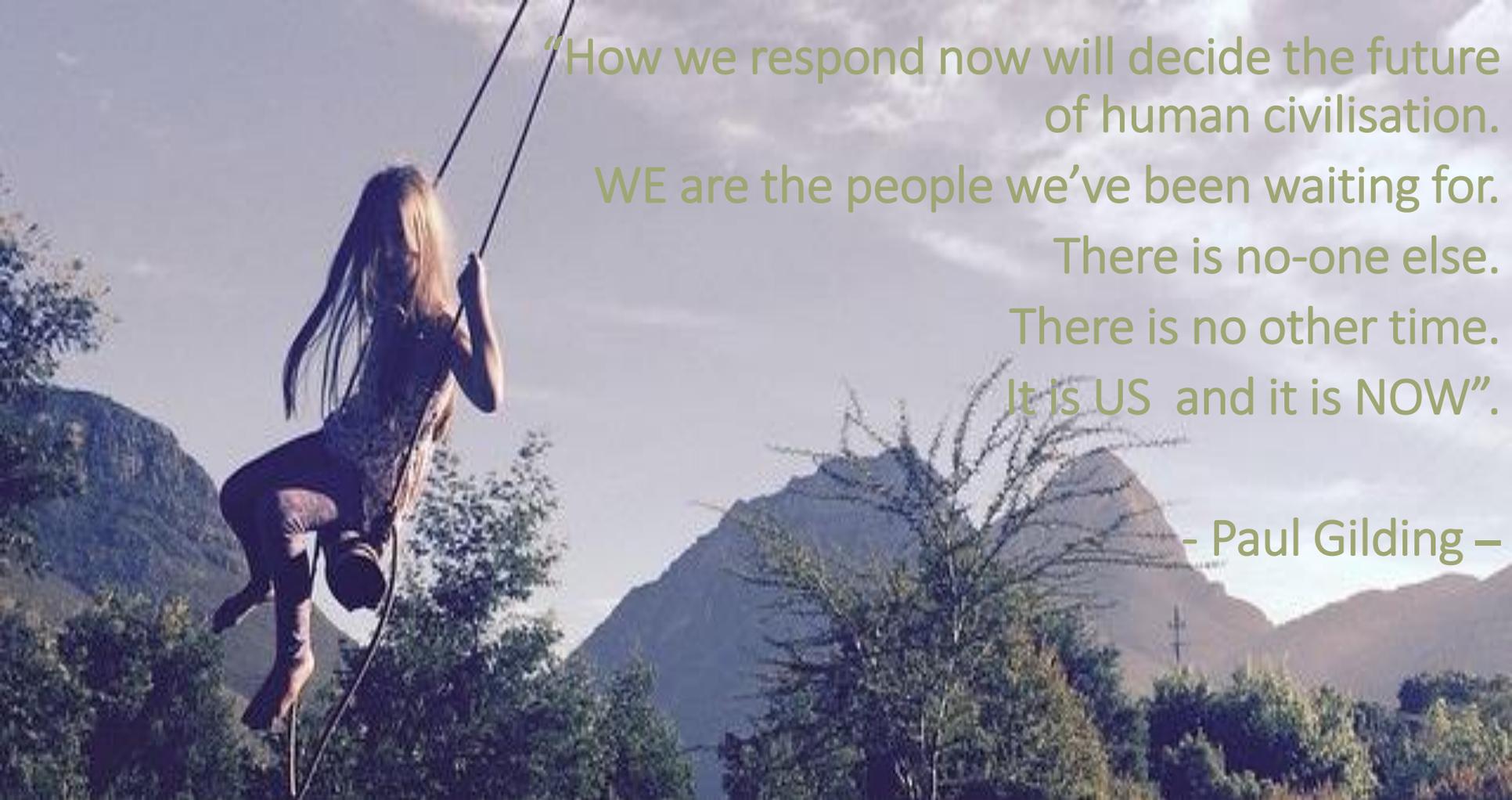
ENHANCE AIR QUALITY

CAN GAIN ECONOMIC BENEFITS WITH USING SMART SUSTAINABLE PRACTISES

ENERGY EFFICIENCY = COST CUT

WASTE EFFICIENCY = COST CUT

WATER EFFICIENCY = COST CUT



“How we respond now will decide the future  
of human civilisation.  
WE are the people we’ve been waiting for.  
There is no-one else.  
There is no other time.  
It is US and it is NOW”.

– Paul Gilding –

WHERE DO YOU STAND?

# THANK YOU