



SUSTAINABLE INNOVATIONS & AGRITECHS

BUILDING A GREENER TOMORROW

Biophilic Design
Sustainable Landscaping
Agri-tech Innovation



We don't just install plants. We engineer ecosystems.

SIA is a full-spectrum biophilic design and sustainable landscaping company.
From living walls and green roofs to indoor scaping, plant maintenance,
custom soil science, and premium artificial greenery;
we deliver complete green infrastructure, engineered for the Kingdom.

What We Do

Complete green solutions from concept to long-term care.



Living Wall Systems

Our flagship. Proprietary open-root technology, KACST patented, designed for 50°C.



Indoor & Outdoor Landscaping

Full interior scaping, exterior hardscaping, and sustainable landscape design.



Green Roof Systems

Extensive, intensive, and semi-intensive. Engineered for Saudi conditions.



Plant Maintenance

Proactive care with QR-coded reporting, nutrient management, and emergency response.



Soil Science & Growing Media

Custom super soil mixes per project. Biochar via *Karmanterra* (USA). Sapro fertilizers.



Custom Solutions

Bespoke planters, hybrid natural-artificial installations, and tailored landscaping for unique project requirements.

Our World

Six disciplines. One integrated partner.



Indoor Landscaping



Outdoor & Hardscaping



Green Roofs



Plant Maintenance



Custom Soil & Biochar



Custom Solutions

The Problem

Why traditional approaches fail in the Kingdom.

Traditional landscaping solutions struggle to survive in Riyadh's extreme climate; leading to high costs, wasted water, and disappointing results.



50°C Heat

Plants die within months



70% Water Lost

Evaporation destroys budgets



60% Mortality

First summer wipes out walls



3–5x Cost Overruns

Hidden replanting + emergency



The SIA Difference

We approach every project as engineering, not decoration. Every system, every soil mix, every plant selection is climate-calculated.



Up to 70% water savings



Highest plant survival rates in KSA



KACST patented living wall technology



Custom soil science per project



International partnerships (UK, USA, Spain)



Full lifecycle: design → build → maintain

Living Wall Systems

Our bread and butter. Here's why our system wins.



Trellis

Basic

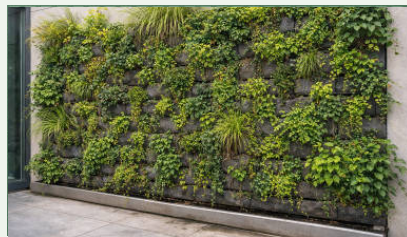
- ✓ Cost-effective
- ✗ Not lush, limited species, slow to fill
- ✗ Not a "real" living wall



Pot System

Limited

- ✓ Easy replacement and modularity
- ✗ Confined roots, plants fail to thrive in heat
- ✗ Limited height
- ✗ Maintenance is a nightmare
- ✗ Expensive



Semi Open-Root Soil System

Good

- ✓ Free root growth within a 90x60 cm module
- ✓ Soil media (Water retention and simple irrigation controls)
- ✓ Outdoor adaptability in extreme climates
- ✗ Plants can't anchor to the felt
- ✗ Not as lush or aesthetic
- ✗ Expensive



SIA System

Superior

- ✓ Full open-root (Hydroponic or Soil Media), cost-effective, unrestricted growth, aesthetically superior
- ✓ Biophilic and lush aesthetic with support for moss growth
- ✓ Adaptable to extreme weather

★ OUR TECHNOLOGY

Why Our Living Wall Works



Not all living walls are created equal. SIA's system is engineered specifically for Riyadh's climate, ensuring unmatched performance, durability, and efficiency.

01 Modular Panels

Textile-based, mount to any vertical surface

02 Full open root (hydroponic or soil options)

Roots grow freely to their full potential; full nourishment

03 Precision Fertigation

Automated water + nutrient cycling

04 Waterproof Air Gap

Building protection, wall breathes. Cooler buildings, energy and water saving, and superior acoustic qualities.

05 Air Quality Improvement

Enjoy better air quality with the purification and humidification qualities of our living walls

Partnerships & Products

Global know-how. Local execution.



Karmanterra
USA

Premium biochar manufacturer.
Advanced carbon soil amendment.
Official partner & reseller in KSA.



Foliages (Treelocate) UK Premium Botanicals Partner
United Kingdom

Premium-grade botanical elements for hybrid installations. When conditions prevent live plants, we integrate premium artificial plants with natural materials for a seamless result; blending natural and engineered elements for every environment.

Our Products

Sapro Soil™

Custom super soil mix, curated per project

Sapro Fertilizers

Organic blends for arid climate planting

Biochar (Karmanterra)

Carbon sequestration + soil enhancement

Custom Products

Bespoke growing media for client needs

Why It Matters



Environmental

Air purification & dust reduction
Urban cooling (3–5°C)
Biodiversity support
Carbon sequestration



Economic

Reduced energy costs
Increased property value
Lower total ownership cost
Predictable maintenance



Wellness

Reduced stress & fatigue
Higher productivity
Biophilic calm
Iconic community spaces



Brand & ESG

LEED credits (2 direct + 30)
ESG demonstrable impact
Vision 2030 alignment
Premium positioning

Our Process

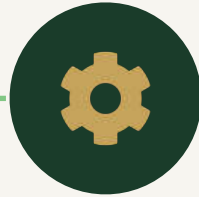
Four phases. One accountable partner. Every project.



01

Consult & Design

Site assessment
Concept + 3D vis
Species selection
Soil analysis



02

Engineer & Build

Panel fabrication
Irrigation design
Custom soil mixing
Structural review



03

Install

Full system build
Plant installation
Quality control
Client walkthrough



04

Maintain & Care

QR-coded reports
Proactive plant care
Nutrient cycling
Emergency response

Selected Projects

Trusted by the Kingdom's most discerning clients.



SEVEN Head Office

Riyadh, 2021

Corporate living wall for a premier investment firm



Private Villas

Riyadh & Jeddah, 2018–2019

Indoor + outdoor luxury residential

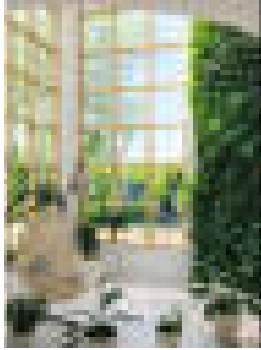


Sports Boulevard

Riyadh, 2022–Present

First commercial portable living wall system in KSA

Photo Gallery



Our Happy Clients



Vision 2030 Aligned



Green Riyadh Initiative



Saudi Green Initiative (SGI)



Quality of Life Program



ESG Framework Support



Made in Saudi

رؤية
VISION
2030
المملكة العربية السعودية
KINGDOM OF SAUDI ARABIA

*Every project we deliver contributes measurably
to the Kingdom's sustainability agenda.*





SUSTAINABLE INNOVATIONS & AGRITECHS

Let's build something that lasts.

Living Walls · Green Roofs · Indoor & Outdoor Landscaping
Plant Maintenance · Soil Science · Premium Artificial Greenery
Consulting & Design · Custom Products

info@sia.group
+966 54 3333 025 | +966 54 6217 068
Riyadh, Kingdom of Saudi Arabia

www.sia.group

Engineering Nature. Sustaining Cities.