



— EVERY DROP COUNTS —

Smart Water Solutions for Sustainable Landscapes

FOR LANDSCAPING | URBAN GREENING | WATER SOLUTIONS



Innovative Underground Water Storage & Irrigation Technology



WATER EFFICIENCY
Maximizing every drop
for a sustainable future



SUSTAINABLE LANDSCAPES
Maximizing every drop for a
sustainable future



URBAN GREENING
Enhancing livability in
urban spaces



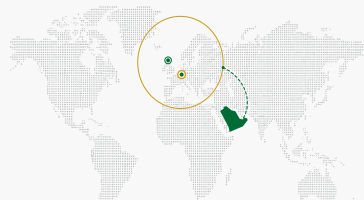
RELIABLE PARTNERSHIPS
Long-term collaboration for
lasting impact



EUROPEAN TECHNOLOGY

GERMAN ENGINEERING
AUSTRIAN INNOVATION

- ✓ European Innovation
- ✓ Sustainable Water Solutions
- ✓ Quality, Performance, Responsibility



LOCAL PROJECT SUPPORT IN SAUDI ARABIA

- 📍 On-site expertise
- 👤 Local presence
- 🛠️ Reliable support



VISION رؤية
2030
المملكة العربية السعودية
KINGDOM OF SAUDI ARABIA

WHO WE ARE

KAWA Solution combines local market expertise with proven **EUROPEAN TECHNOLOGIES** to deliver innovative water management and sustainable landscaping solutions across Saudi Arabia.

Through strategic partnerships with leading **EUROPEAN TECHNOLOGY COMPANIES AND MANUFACTURERS**, we provide advanced underground water storage, irrigation, and water-retention systems designed for arid climates and sustainable urban development.

Our solutions help transform urban spaces into greener, healthier, and more sustainable environments while supporting long-term water efficiency and environmental responsibility.



SAUDI ARABIA FOCUSED

Local expertise with a deep understanding of Saudi Arabia's climate, regulations, and landscaping requirements.



SMART WATER SOLUTIONS

Advanced underground water storage and irrigation technologies designed to maximize water efficiency.



SUSTAINABLE LANDSCAPES

Creating greener, healthier, and more resilient urban environments through innovative solutions.



EUROPEAN TECHNOLOGY PARTNERSHIPS

Partnering with leading European manufacturers to deliver proven high-performance technologies.



OUR VISION

To be the leading provider of sustainable water and landscaping solutions in Saudi Arabia, driving greener cities and contributing to a better tomorrow.



OUR MISSION

To deliver innovative, efficient, and reliable water management systems that support sustainable urban development and improve quality of life.



WHY PARTNER WITH US?

- ✓ Innovative underground water storage & irrigation technology
- ✓ Water efficiency and long-term cost savings
- ✓ Supports sustainable landscaping and urban greening
- ✓ High-quality products with proven performance
- ✓ Local support with international expertise
- ✓ Aligned with Saudi Vision 2030 goals



OUR CORE VALUES



WATER EFFICIENCY

We design solutions that maximize water use and promote conservation.



SUSTAINABILITY

We are committed to environmental responsibility and sustainable practices.



INNOVATION

We embrace advanced technologies to deliver smart and effective solutions.



RELIABILITY

We deliver high-quality products and services you can trust.



PARTNERSHIP

We build strong, long-term partnerships based on trust and mutual success.



Connecting European Water Technologies with Saudi Arabia's Sustainable Future

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OUR SOLUTIONS

Smart Water Management for a Sustainable Future

01 | BLUELITE-NET

Smart Underground Irrigation

BLUELITE-NET is an innovative subsurface irrigation system designed to deliver water directly into the root zone, ensuring uniform and highly efficient moisture distribution exactly where plants need it most.

The combination of the **LITE-NET water distribution layer** and a **fleece-protected drip irrigation pipe** minimizes evaporation losses, prevents root intrusion and clogging, and promotes healthy, deep root development.

Installed below the surface, the system enables continuous irrigation without interfering with the use or maintenance of landscaped areas.

With **WATER SAVINGS OF UP TO 70%**, **BLUELITE-NET** supports sustainable water management, improves plant health, and contributes to the long-term development of resilient and resource-efficient landscapes.

TECHNICAL OVERVIEW



System:

Subsurface irrigation system



Core Components:

LITE-NET distribution layer + fleece-protected drip



Material:

100 % Polypropylene



Origin:

Austria / European Union



Water Saving:

Up to 70% compared to sprinkler irrigation



Installation:

Below the surface for invisible irrigation

KEY BENEFITS



Up to 70% Water Savings

Direct root-zone irrigation minimizes evaporation losses.



Healthier Root Development

Promotes deeper and stronger root growth.



Designed for Arid Climates

Ideal for Saudi Arabia and GCC environments.



Low Maintenance

Protected drip line design reduces clogging and root intrusion.



Versatile Applications

Ideal for parks, gardens, urban landscapes, sports fields, golf courses, green roofs, and a wide range of additional landscape applications.

HOW BLUELITE-NET WORKS

1



Install the system below the surface

2



Cover with soil and landscaping

3



Water is distributed directly into the root zone

4



Plants develop deeper, healthier roots

IDEAL FOR



Urban Landscapes



Parks & Gardens



Golf Courses



Sports Fields



Public Spaces



Green Roofs



TECHNOLOGY PARTNER

LITE-SOIL

Austria / Europe



EXCLUSIVE DISTRIBUTOR

KAWA SOLUTION

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Supporting

Saudi Vision 2030

OUR SOLUTIONS

Smart Water Management for a Sustainable Future

02 | LITE-NET

Water Storage & Distribution Net for Plants

LITE-NET is an innovative water storage and distribution net installed at root depth in the soil. Acting like a network of water veins, it distributes water and air evenly across a wide area directly within the root zone. At the same time, it serves as a water reservoir for plants, improving moisture retention and supporting healthy root development.

The system consists of flexible vegetation nets that are laid on the ground, expanded into a three-dimensional mesh structure, and covered with soil. This open structure allows roots to grow through the mesh, creating direct contact between plant roots, stored moisture, and air. As a result, water is delivered efficiently exactly where plants need it most — directly to the roots.

For trees, **LITE-NET** can be wrapped around the root ball and placed horizontally underneath it to improve water availability throughout the entire root zone. It can also be used underground as a complementary system for irrigation bags.

LITE-NET is a practical and sustainable solution for professional landscaping, especially in demanding climates. By storing and distributing water efficiently at root level, it helps reduce irrigation frequency, promotes stronger root growth, and contributes to resilient, resource-efficient green spaces.



KEY BENEFITS



Water Storage & Distribution

Stores and distributes water and air directly in the root zone, ensuring efficient moisture availability where plants need it most.



Supports Healthy Root Development

The open mesh structure allows roots to grow through the net, while the system remains simple, flexible, and practical to install.



High Water Retention Capacity

Provides strong moisture storage performance: 1 kg of LITE-NET can store up to 10 litres of water.



Direct Root-Zone Supply

Delivers water exactly where plants need it — directly to the roots, improving water efficiency and plant availability.



Reduced Irrigation Demand

Helps reduce watering frequency — irrigation is required only half as often, supporting sustainable and resource-efficient water use.

TECHNICAL OVERVIEW



System:

Water storage and distribution net



Material:

Polypropylene (PP) or bio-based variants



Format:

Compact roll that expands into a wide mesh



Installation:

Below the surface or around root balls



Application Areas:

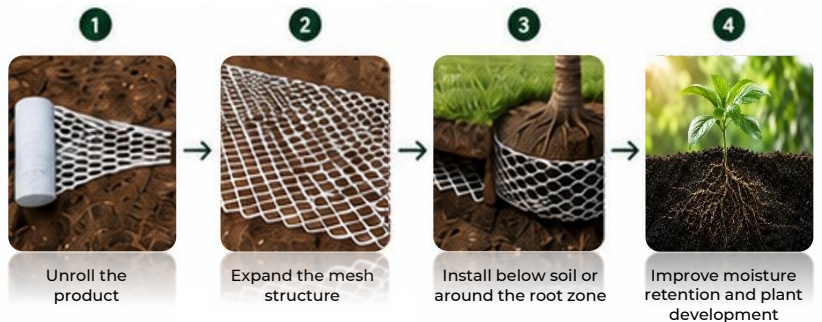
Trees, lawns, beds, sports fields, embankments



Origin:

Austria / European Union

HOW LITE-NET WORKS



IDEAL FOR



Trees & Root Balls



Parks & Gardens



Sports Fields



Lawns & Beds



Public Spaces



Embankments



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Smart Water Management for a Sustainable Future

03 | LITE-STRIPS

Biodegradable Water Storage Strips for Soil

LITE-STRIPS are innovative water-retention fleece strips designed to be mixed directly into the soil, where they efficiently store moisture within the root zone. Their elongated structure loosens compacted soils, improves aeration, and enhances soil permeability, creating optimal conditions for healthy root establishment and long-term plant development.

By storing water exactly where plants need it, **LITE-STRIPS** significantly reduce irrigation demand while improving soil structure and increasing water-use efficiency. Plants benefit from a continuous supply of moisture, resulting in healthier growth and greater resilience during dry periods.

Available in both permanent and biodegradable material options, **LITE-STRIPS** can be adapted to meet different project requirements while supporting sustainable landscaping solutions.

LITE-STRIPS can be used as a standalone solution or seamlessly combined with **LITE-NET** and **BLUELITE-NET** to create a complete underground water storage and irrigation system tailored to the specific requirements of each project.

TECHNICAL OVERVIEW



System:

Water storage strips mixed into soil



Material:

Fleece strips



Format:

Approx. 70 x 12 x 6 mm strips



Variants:

2.5 L | 10 L | 25 L



Coverage:

Up to 50 L / 200 L / 500 L of soil



Origin:

Austria / European Union



KEY BENEFITS



Watering Only Half as Often

Helps reduce watering frequency and save time.



Stores Water at the Roots

Places water storage directly where plants need it most.



Better Growth & Root Support

Supports healthier establishment and sustainable growth.



Looser, Better Aerated Soil

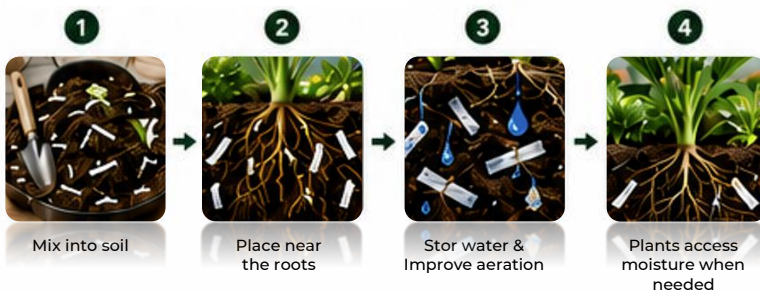
Improves soil structure and root-zone aeration.



100 % Biodegradable / Compostable

Bio5 lasts approx. 5-10 years before naturally degrading.

HOW LITE-STRIPS WORK



AVAILABLE MATERIAL OPTIONS

LITE-STRIPS PP

100% Polypropylene

Durable and sustainable



LITE-STRIPS BIO5

70% PLA + 30% Cellulose
100 % bio. degradable/compostable

Lasts approx. 5 - 10 years



LITE-STRIPS BIO1

100 % Cellulose fibres
100 % biol. degradable/compostable

Lasts approx. 1 season - 2 years



SYSTEM INTEGRATION



BLUELITE-NET

+



LITE-NET

+



LITE-STRIPS

=



COMPLETE UNDERGROUND
WATER STORAGE &
IRRIGATION SYSTEM



Modular System



Scalable for Any Project



Compatible Technologies



TECHNOLOGY PARTNER

LITE-SOIL

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04 | PLANTING BAG

UV – Protected Nonwoven Seedling Bags

PLANTING BAGS WITH UV PROTECTION is a practical nonwoven seedling bag designed to support healthy plant establishment and efficient nursery handling. The breathable material enables continuous gas exchange and supplies the roots with oxygen, helping to reduce the risk of root rot while promoting strong root development.

The lightweight and space-saving design makes the bags easy to store, transport, and use in nursery operations. The upper rim can be rolled to adapt to the plant size, giving the bag flexible handling during growth.

Made from durable and tear-resistant nonwoven fabric, the planting bag is suitable for demanding outdoor applications. For easy transplanting, the entire bag can be placed directly into the soil, allowing roots to continue growing with minimal disturbance and reduced transplant stress.

Developed for practical planting projects in cooperation with our German partner **YO-BA GmbH**, the system offers a reliable solution for nurseries, landscaping projects, and sustainable greening applications.

TECHNICAL OVERVIEW



System:
UV-protected nonwoven planting bag



Material:
Breathable tear-resistant nonwoven fabric



Design:
Foldable / rollable rim



Application:
Seedlings, nursery plants, shrubs, young trees



Use:
Suitable for transplanting directly into soil



Sizes:
Multiple size options available

KEY BENEFITS



UV Protection

Designed for demanding sun exposure and outdoor nursery use.



Excellent Breathability

Supports root-zone oxygen exchange and healthier plant growth.



Healthy Root Development

Helps reduce root stress and promotes strong root formation.



Space-Saving & Versatile

Lightweight, compact, and easy to handle in nursery operations.



Easy Transplanting

Place the bag directly into the soil for smooth plant transfer.

HOW PLANTING BAG WORKS



IDEAL FOR



Nurseries



Date Palm Seedlings



Tree Planting



Parks & Gardens



Landscaping Projects



Urban Greening



GERMAN PARTNER

YO-BA GmbH

Germany / Europe



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CERTIFICATIONS, COMPLIANCE & DOCUMENTATION

Trusted European Product Documentation
for Sustainable Landscaping Solutions

KAWA Solution works with Austrian and German technology partners whose products are supported by professional technical documentation and compliance declarations. These documents strengthen transparency, quality assurance, and project confidence for landscaping, irrigation, and urban greening applications.



1. REACH / SVHC

European chemical compliance declaration.



2. EU RoHS

Declaration on restricted hazardous substances.



3. PFAS Declaration

Statement regarding PFAS-related material compliance.



4. POPs Regulation

Declaration regarding persistent organic pollutants.



5. Proposition 65

California compliance declaration for listed substances.



6. Technical Data Sheets

Product specifications, composition, and performance data.

WHY IT MATTERS

- ✓ Professional documentation for project confidence
- ✓ Transparency on material and compliance information
- ✓ European quality and manufacturing standards
- ✓ Reliable support for sustainable landscaping projects



COMPLIANCE



QUALITY



SUSTAINABILITY



TRUST

TRUSTED EUROPEAN QUALITY

Developed and documented in Austria / Europe and Germany / Europe for professional, resource-efficient landscaping solutions.

Supporting

Saudi Vision 2030

Aligned with Saudi Vision 2030 Goals



WATER
EFFICIENCY



SUSTAINABILITY



URBAN
GREENING



INNOVATION

LET'S CONNECT.

We are ready to support **your projects** with innovative water management solutions, technical expertise, and reliable service.



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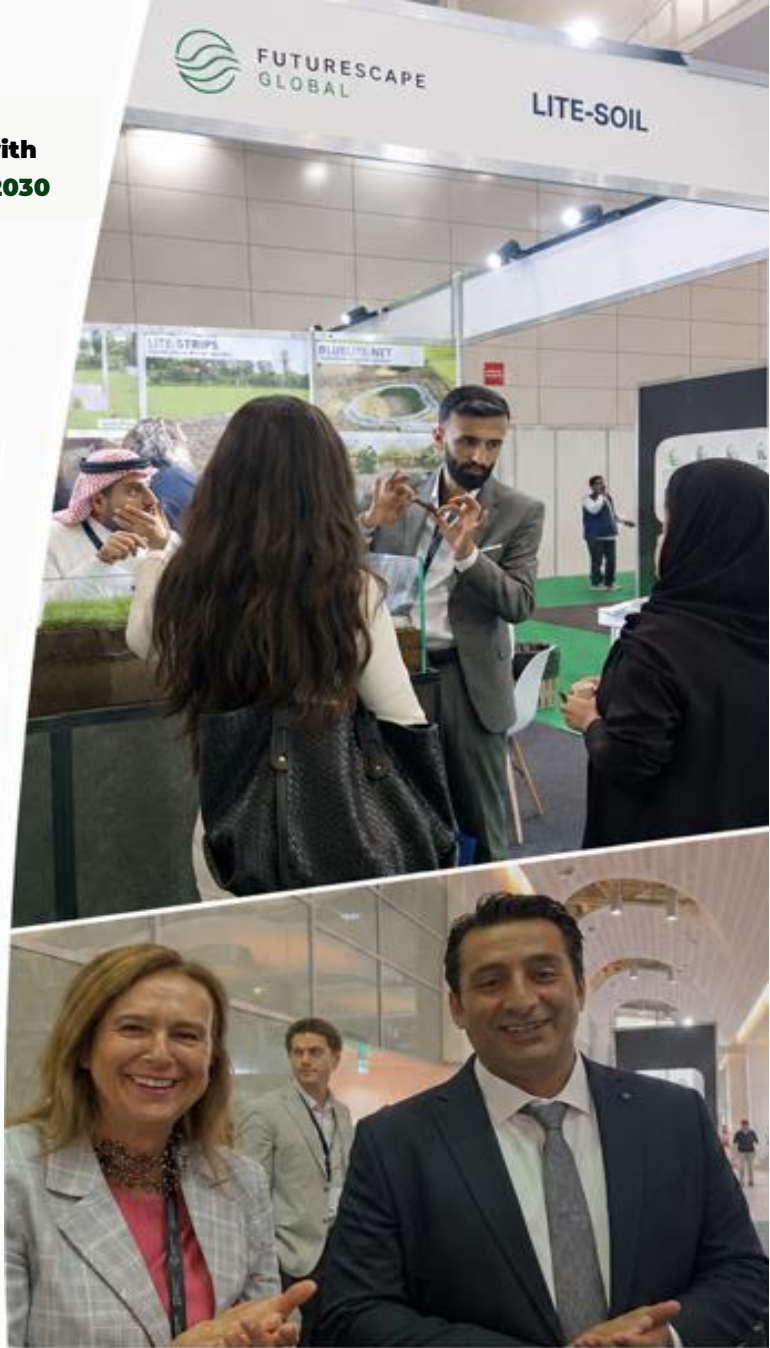
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WE ARE HERE TO SUPPORT YOU

From planning to implementation – our team is ready to deliver smart, sustainable, and efficient water management solutions for your landscape projects.



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our website