LIVEPANEL TANK

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The LivePanel TANK offers a simple and efficient solution for the water supply of green walls. It is ideal for spaces without direct access to water connections or where minimal installation impact is desired. With a smart, integrated water tank system, the LivePanel TANK can supply the green wall with water for up to 4 to 6 weeks, without the need for water supply or drainage, requiring only a power connection. Enjoy a sustainable green wall system that is quick and easy to install and features a well considered, reliable maintenance concept.

WHY CHOOSE THE LIVEPANEL TANK?

1. Fully stand-alone system: The LivePanel TANK operates without a fixed water supply or drainage connection. The reservoir with integrated pump automatically irrigates the green wall and can function for up to 4 to 6 weeks on a single fill, reducing maintenance and offering maximum flexibility in placement.

2. Flexible and compact installation: Thanks to its lightweight and compact design, the TANK can easily be placed beneath a green wall or mounted to it. The system can also be seamlessly integrated out of sight into furniture such as cabinets, seating units, or other interior applications.

3. Reliable and efficient system: Its energy-efficient operation ensures optimal irrigation for healthy plant growth and efficient water use. For added security, the LivePanel TANK can be equipped with an alarm system that alerts you to low water levels, preventing plants from drying out.

4. Sustainable and versatile: The LivePanel TANK is available in various sizes and supports a wide range of planting options. Different plant combinations are available from stock, while customised planting can be provided for specific projects and designs.

LIVEPANEL TANK MATERIALS

Cassettes: The cassettes feature a front made of air-permeable Expanded Polypropylene (EPP), a Polypropylene (PP) back, and are fitted with a capillary microfibre cloth composed of 80% polyester and 20% polyamide.
Fire-retardant cassettes: The cassette is also available in grey EPP with a fire-retardant additive, enabling the green wall to meet fire classification B-s2, d0.
Circularity: Returned cassettes are refurbished at our production facility with a new cloth and reused.

Tank: The tank, lid and housings are made from stainless steel, grade 430. The container is fully waterproofed with a coating based on a hybrid elastomer system consisting of polyurea and polyurethane (two-component system). This coating forms a durable, elastic layer that is resistant to moisture and temperature fluctuations.
Gutter profiles: The aluminium extruded gutter profiles are manufactured from alloy AL 6063 T5. The profiles are black anodised, providing optimal corrosion resistance. They are fitted with end caps and connector caps made of glass fibre-reinforced polyamide, which are secured to the profile using self-tapping screws. An EPDM rubber seal is placed between the end caps and the profiles, ensuring the system is fully watertight.

Planting: The plants used in the pre-grown cassettes of the LivePanel system are cultivated at the Dartplant production facility under “On the Way to PlanetProof” certification. This independent label demonstrates that the planting for the LivePanel TANK is sustainably produced, making it a better choice for nature, climate and biodiversity. The online Mobilane PlantGuide provides an overview of selected plant species recommended for use in the LivePanel TANK.

UNIQUE FEATURES

Available in any desired size,
modular system

Fully reusable and recyclable

Social impact with PSO Step 3 certification

Sustainably produced under
'On the Way to PlanetProof' certification

Easy and quick installation
and easy to maintain

Space-saving and slim system

Integrated irrigation system

Fully standalone system

BENEFITS

Efficient water use with no water waste

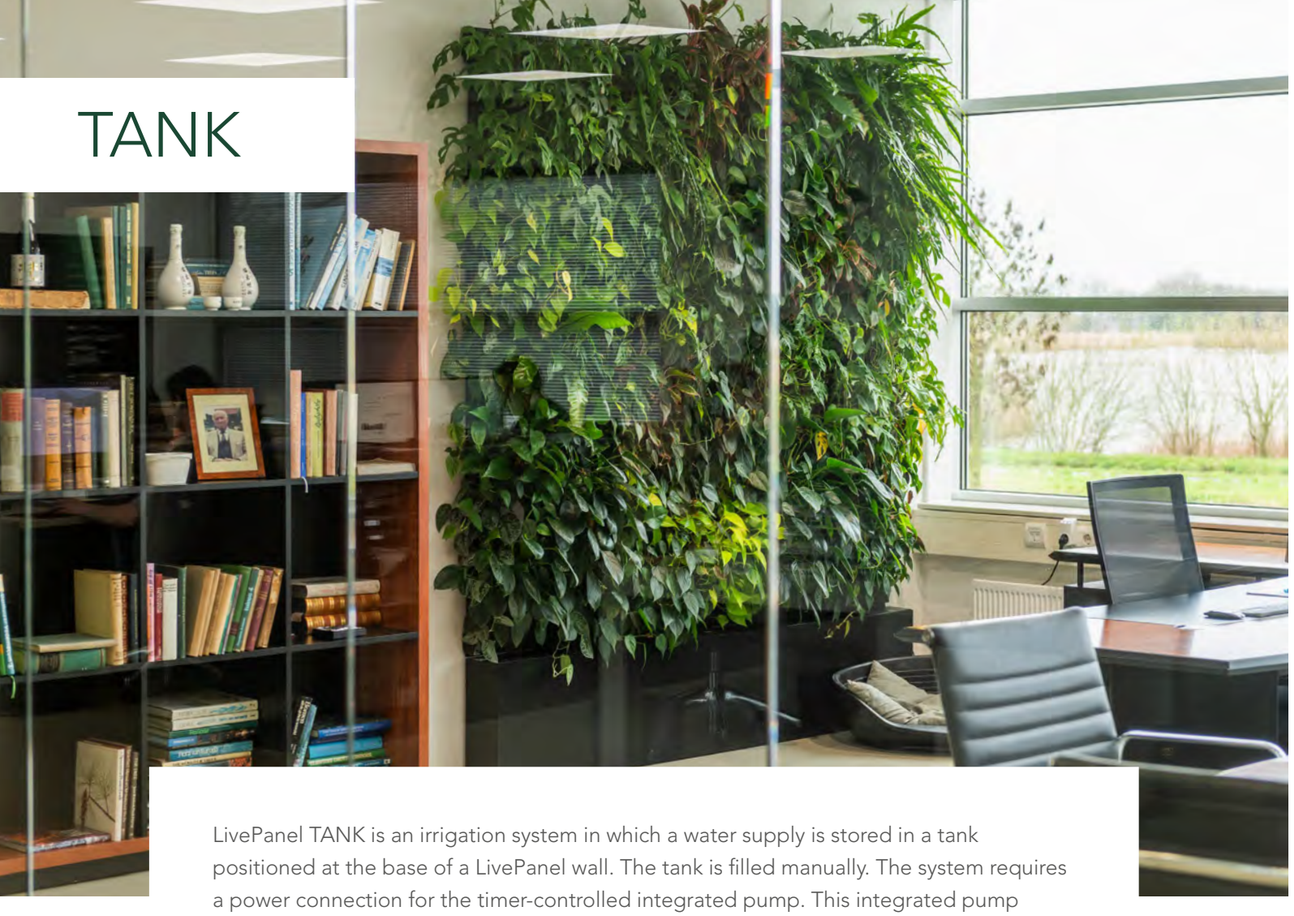
Water reservoir for approx. 4 to 6 weeks,
depending on wall and reservoir size

No direct water supply or drainage required

Low maintenance

Optional alarm system
(SMS/email notifications) with sensors

TANK



LivePanel TANK is an irrigation system in which a water supply is stored in a tank positioned at the base of a LivePanel wall. The tank is filled manually. The system requires a power connection for the timer-controlled integrated pump. This integrated pump supplies water from the tank to the gutter profiles. From there, the plants absorb water by means of a capillary fabric. The system is a closed system in which no excess water is discharged, making it highly water-efficient.

WATER STORAGE

The water stored in the tank is sufficient for several weeks of irrigating the LivePanel wall, with the exact duration depending on the height of the wall (the number of cassettes stacked vertically). In general, the pump needs to operate once a week, controlled by the supplied timer. This allows irrigation to take place easily outside office hours. Plant nutrients should be added to the water in the tank. Optionally, an alarm can be added to provide notifications when the water level is low or when there is a prolonged lack of float movement.

DIMENSIONS

The LivePanel TANK can be used for LivePanel walls with a maximum height of 540 cm. Each cassette measures 40 x 40 cm. The tank is 42 cm high and 17.5 or 30 cm deep, depending on the size of the reservoir. Tanks can be linked together, with no maximum width for the wall. Optionally, a frame can be placed around the cassettes, made from the same material as the tank, giving the system a refined and premium finish.

PARTS

TANK

Water reservoir with felt lining at the bottom. Includes a removable cover plate with an opening for the inlet and outlet hose. Finished in matt black RAL 9005.

FRAME

Matching frame, fully finished in matt black RAL 9005.

TIMER

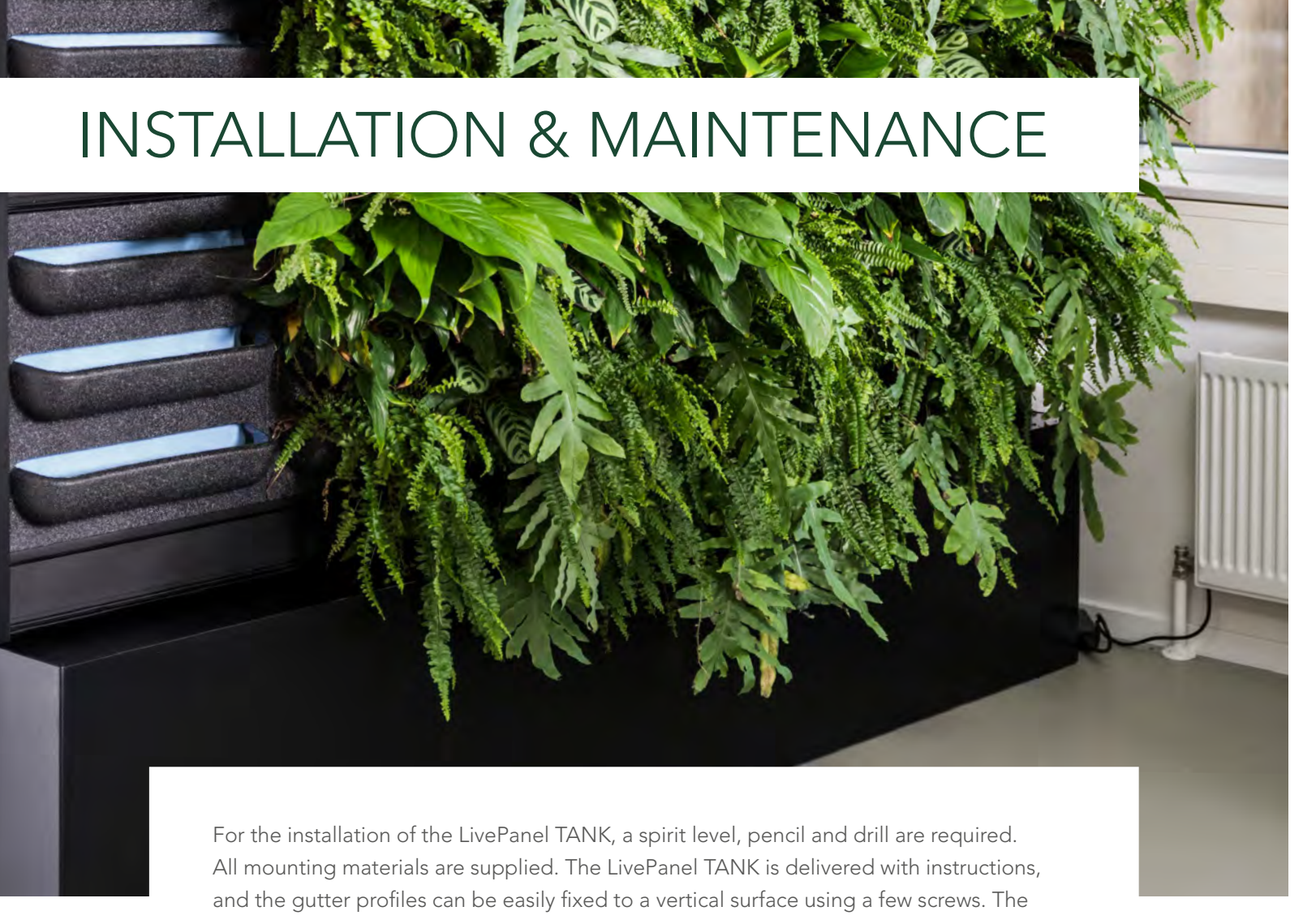
For switching the pump on and off at any desired time. Dimensions: 14.6 × 7.6 × 8.2 cm (H × W × D).

POMP UNIT

Dry compartment including pump, adapter, power cable, filter, hose, connectors and cable ties.

ALARM

Optional alarm for low water level or inactive float.



INSTALLATION & MAINTENANCE

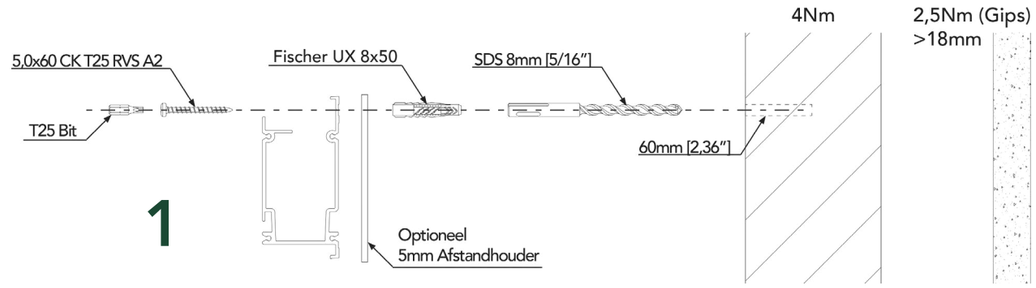
For the installation of the LivePanel TANK, a spirit level, pencil and drill are required. All mounting materials are supplied. The LivePanel TANK is delivered with instructions, and the gutter profiles can be easily fixed to a vertical surface using a few screws. The openings of the removable plant cassettes can be filled with planting according to personal preference and design. These can be supplied fully grown or planted on site. Depending on the location where the LivePanel TANK is installed, an appropriate plant selection should be made. Please refer to the PlantGuide on our website for guidance.

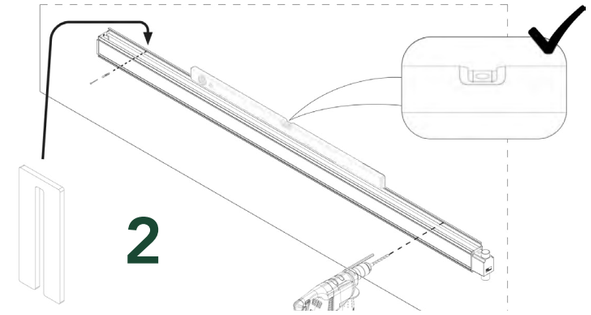
IRRIGATION AND MAINTENANCE

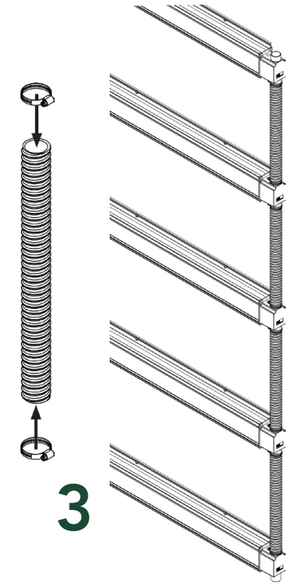
The water reservoir in the tank is sufficient to supply the plants with water for approximately 4 to 6 weeks. A power connection is required to control the pump via the supplied timer. Through the capillary action of the plant cassettes, the plants receive the correct amount of water. The gutter profiles can be cleaned using a soft microfibre cloth and mild soap. The use of aggressive cleaning agents is not recommended. The LivePanel TANK requires minimal maintenance to ensure the wall retains its high-quality appearance for many years.

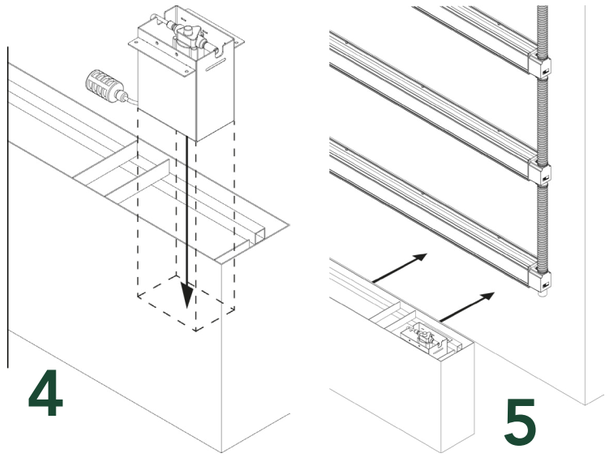
PRUNING AND NUTRITION

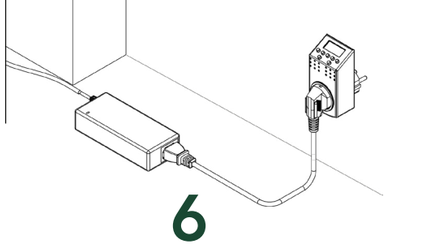
The planting in the cassettes can be pruned throughout the year. Pruning dead or unhealthy material will stimulate new growth, resulting in a more compact, fuller appearance while maintaining a fresh look. Nutrients can be added to the reservoir when refilling the tank and should be applied approximately once every 4 to 6 weeks.

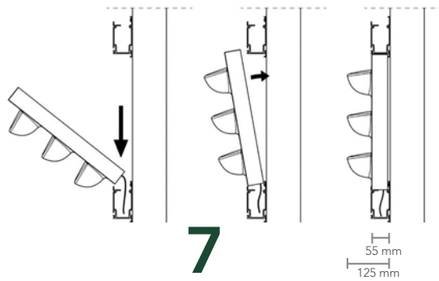


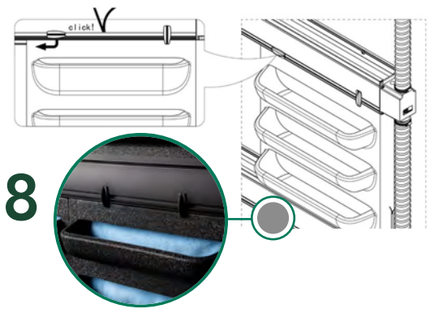


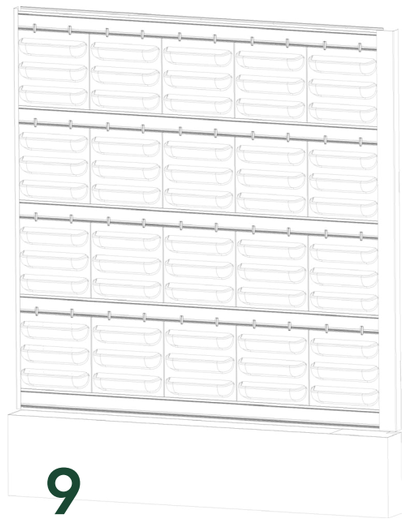






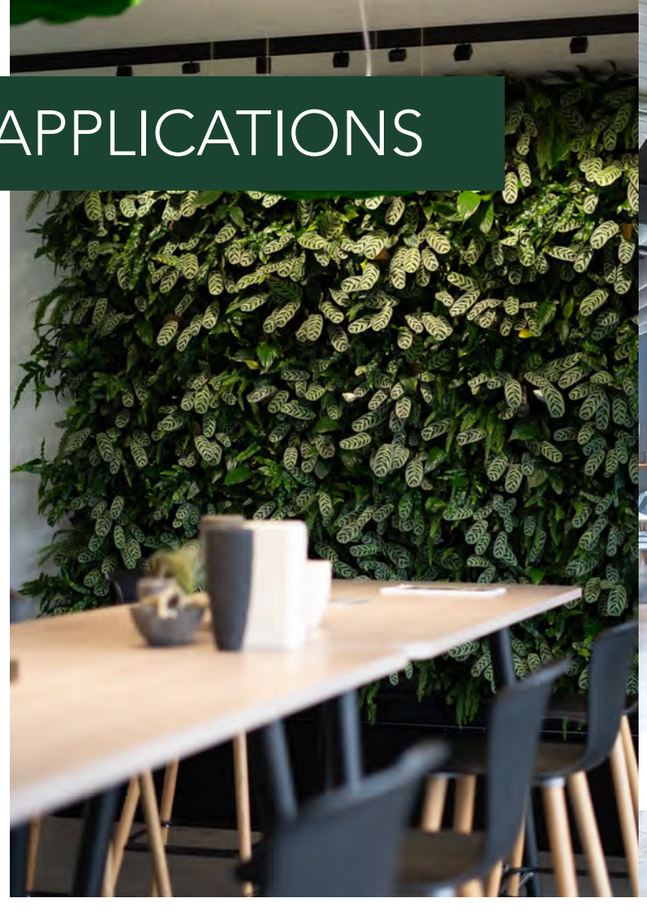




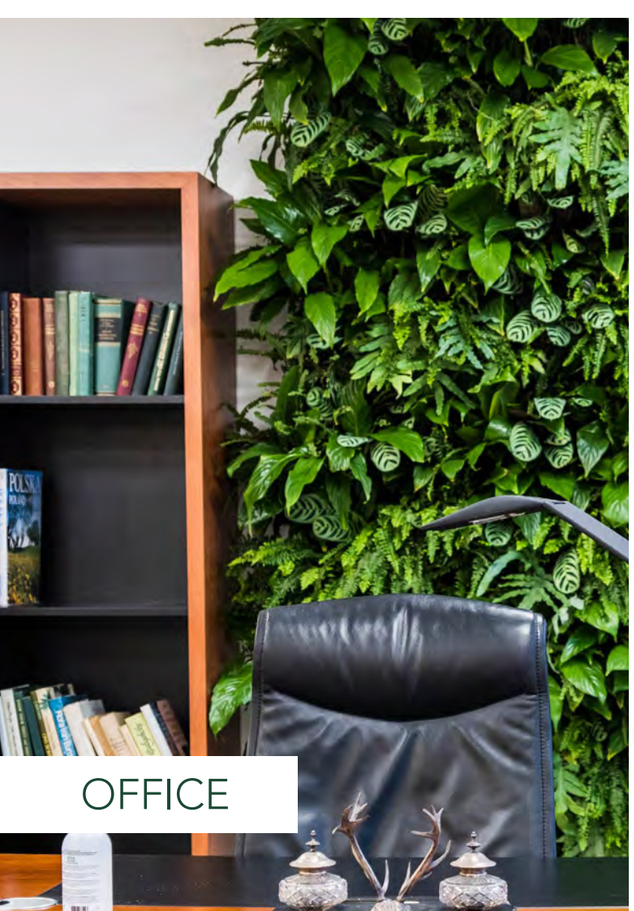


REFERENCES AND APPLICATIONS

OFFICE



RESTAURANT



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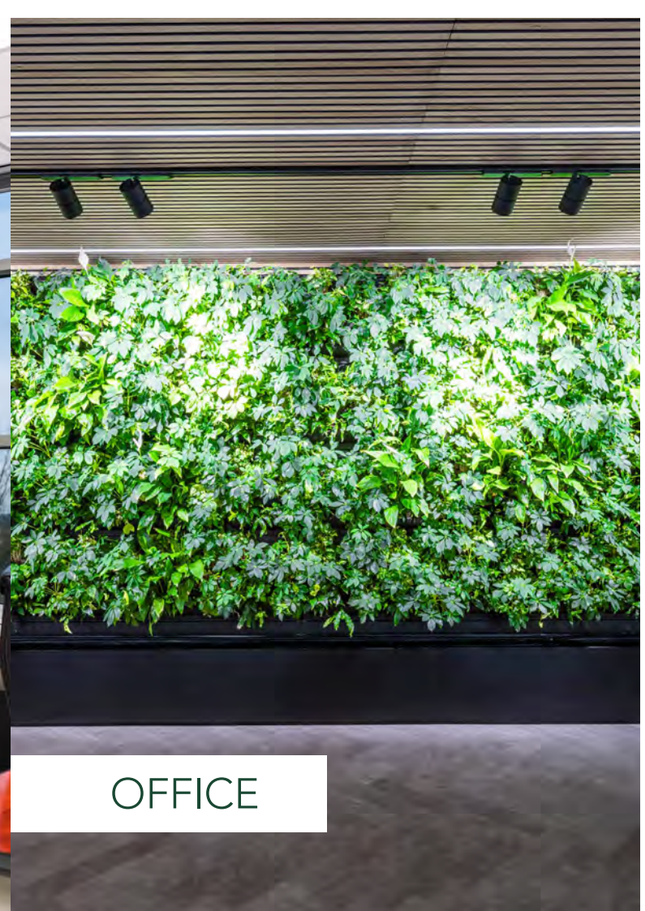

OFFICE

CAD AND BIM

All CAD and BIM models can be downloaded from the Mobilane website www.mobilane.com or by scanning the QR-code. CAD and BIM can be used for Revit, IFC, and Civil 3D by architects, engineers and construction professionals (AEC).

SCAN FOR CAD AND BIM MODELS