

CASE STUDY

INGENIOUS WARMTH FOR YOGA

Melbourne | Australia

THE INITIAL SITUATION.

Yoga is booming and also in Australia. For the conversion of their yoga studio in a suburb of Melbourne the team of HUMMING PUPPY has set itself the task to create modern rooms with an extraordinary atmosphere - „Come in and let the world outside“ was the name of the game. It was important to achieve an indoor climate of constant 27 °C, in which the students feel comfortable and is inviting to stay.

THE CHALLENGE.

The new, modern studio should impress with its unique architecture and at the same time create the ideal environment for relaxation. In addition, the owners wanted to save energy and be environmentally friendly.

The big challenge was to warm up the very large and high yoga room to the desired 27 °C without creating an air draft through the heating during yoga lessons which is inconvenient and may even have during aerobic exercises unpleasant consequences.

THE SOLUTION OF ETHERMA.

With the LAVA® GLAS-DM infrared heating ETHERMA had the ideal heating solution for the yoga studio. The design IR heating is based on the principle of solar radiation. The radiated infrared heat heats directly objects, walls and people. This results in no air circulation, as by convection heat, which merely heats the air. The heat stored in the surrounding area is then discharging gradually back into the room and creates a pleasant indoor climate in which you feel very comfortable.

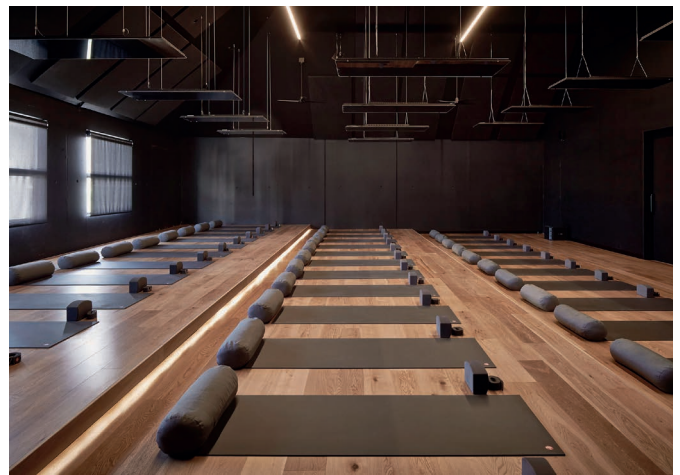
By suspending 15 LAVA® GLAS-DM the infrared heat will now hit directly the yoga students. In addition, the black glass version of the LAVA®-DM supports perfectly the luxurious and somewhat mystical held character of the studio by its elegant design. The result is a breath taking example of form meeting functionality. More Yoga studios all over Australia are planned and will use the LAVA® GLAS infrared heating as their heater of choice as it perfectly fits their requirements.

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THE SOLUTION IN DETAIL.

As a quick and precise heat source the LAVA® heating were installed. Thanks to its modern design the LAVA® become an essential part of the extraordinary architecture. The LAVA®-DM is through the ceiling installation ideally suited for zone heating - particularly in large rooms. Due to the height of the yoga studio the LAVA® GLAS-DM were suspended to a ceiling height of 2.5m. In order to achieve the desired heat of 27°C in the classroom, the planners chose the 1000W power version because of the enormous size of the space. Infrared is a natural radiation, which accounts for almost 50% of the total radiation spectrum of the sun.

The radiant heat of 15 IR heaters triggers a pleasant feeling of warmth on the peoples' skin - like the sun's rays. Since the heat transfer occurs directly, contrary to convection heat, which has to warm up the whole surrounding air, the desired temperature and a feel-good atmosphere is reached faster. This not only saves heating costs, but creates a pleasant, healthy indoor climate without air drafts which cause discomfort. The LAVA® GLAS-DM was developed specifically for ceiling installation and can be mounted either suspended or directly on the ceiling.



PRODUCT BENEFITS

LAVA® GLAS 2.0 INFRARED HEATING

- + Unique design
- + Pleasant indoor climate due to infrared radiant heat
- + Pure and healthy air – ideal for allergy sufferers, no air circulation
- + Lightweight design - easy ceiling mounting
- + Security thanks to 6 mm toughened safety glass
- + Maintenance free and magnetic field free
- + Plug & Play connection system for easy individual control
- + Heat storage up to 1 hour
- + Especially suitable for zone heating



COMPETENCE AND QUALITY FOR OVER 35 YEARS.



ETHERMA has experienced research and development on project planning and the installation of open space, gutter, roof top and pipe trace heating systems, as well as infrared heating systems for more than 35 years. You will profit from our comprehensive services, best quality and modern design. There will always be a perfect solution to cope with your individual request. ETHERMA is an Austrian company with international reputation, producing high quality electrical heating systems for our clients, custom-made and manufactured right here.