

## **SPACECOOL receives the “Environmental Startup Selection Committee Award” at the “2022 Environmental Startup Awards”**

February 22, 2023  
Osaka Gas Co., Ltd.

SPACECOOL Inc., which manufactures and sells SPACECOOL® (hereinafter the “material”), a radiative sky cooling material developed by Osaka Gas Co., Ltd. that enables zero-power radiative sky cooling, won the “Environmental Startup Selection Committee Award” at the 2022 Environmental Startup Awards, for which the Ministry of the Environment had called for participants with the aim of supporting startups in the environmental field.

The “Environmental Startup Awards,” launched by the Ministry of the Environment in fiscal 2020, are aimed at creating new role models and supporting the expansion of business opportunities by recognizing up-and-coming environmental startups.

This year, SPACECOOL received the “Environmental Startup Selection Committee Award” through the screening of application documents and an interview by the selection committee comprising external experts. In addition, SPACECOOL will take part in the “Environmental Startup Award Ceremony” and the “Green Startup Pitch,” in which the company will be on stage to make a short presentation and participate in a panel discussion at the Tokyo International Forum on March 15, 2023.

Osaka Gas and SPACECOOL will continue to contribute to global decarbonization and climate change countermeasures by spreading the use of this material.

### **■ About the radiative sky cooling material SPACECOOL®**

The new material\*<sup>1</sup> is a radiative cooling material designed to lower the temperature to below the ambient temperature, even under direct sunlight, without using energy. This is achieved by releasing heat into space using the principle of radiative cooling as well as by blocking heat from sunlight and the atmosphere to suppress heat absorption (Fig. 1).

Two types of products using this material, a film and a membrane material (Fig. 2), have been developed and are being sold by SPACECOOL and partner companies.

\*1: This has been achieved by using Osaka Gas’s proprietary optical control technology to develop a material design that reduces the solar heat input and increases heat dissipation through thermal radiation.\*<sup>2</sup>

\*2: A phenomenon in which the heat of a heated object is transferred as electromagnetic waves (light)

■ **About SPACECOOL Inc.**

Company name: SPACECOOL Inc.

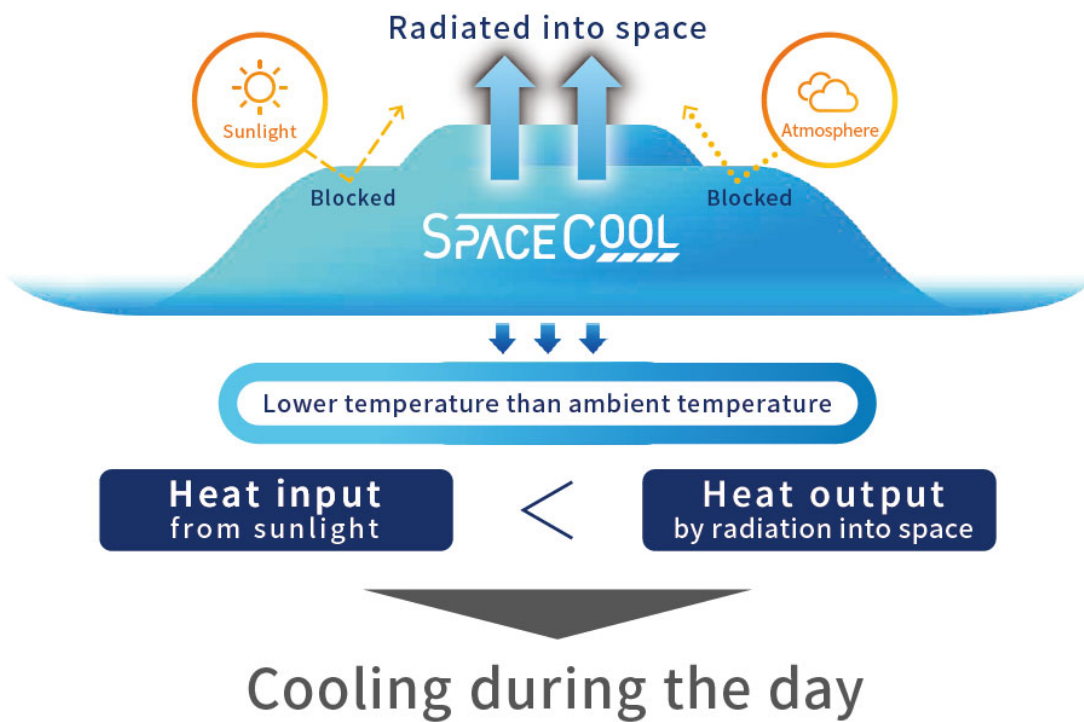
Establishment: April 1, 2021

Shareholders: Osaka Gas Co., Ltd.: 49%, WiL Ventures III, L.P.: 29%, WiL Fund II, L.P.: 22%

Representative: Takayuki Hoshuyama, CEO

Announcement by SPACECOOL: <https://www.spacecool.jp/news/post-447/>

<Fig. 1: Conceptual image of this material>



<Fig. 2: Developed products — left: film (white, silver), right: membrane material (white)>

