

Construction of a Manufacturing Building for advanced semiconductor materials

ADEKA CORPORATION (President and Chief Executive Officer: Hidetaka Shirozume, hereafter “ADEKA”) has decided to construct a manufacturing building in the Jeonju 3rd Plant of ADEKA KOREA CORPORATION, a consolidated subsidiary, for the purpose of providing a production space of new materials for next-generation semiconductors.

Semiconductors are indispensable to the realization of an advanced ICT society, including 5G communication and the increased use of AI. Semiconductors are increasingly densely integrated through miniaturization amid the acceleration of data processing and reduction of power consumption. The advanced materials that support them are in growing demand.

The ADEKA Group’s **ADX 2023** Mid-Term Management Plan defined next-gen. ICT as a priority domain. Therefore, the ADEKA Group has aggressively invested mainly in advanced semiconductor materials and worked to secure readiness for R&D as well as for production in Japan, South Korea and Taiwan.

In particular, ADEKA KOREA CORPORATION (“the Company”) has been actively investing in boosting production of the **ADEKA ORCERA** series of High-k materials for advanced semiconductor memories and in broadening its product lineup. This material holds the largest global market share. Since it was necessary to gear up for mass production in a short construction period so as to rapidly achieve the constant supply of the new materials for mass production of next-gen. semiconductor devices as products indispensable to miniaturization, We decided to erect a new manufacturing building.

The building will be constructed on the site of the Company’s Jeonju 3rd Plant, which was acquired in 2022. Advanced semiconductor materials have to date been manufactured mainly at the Jeonju 2nd Plant. The building will now be constructed in the Jeonju 3rd Plant. It is expected to mass produce materials for next- and later-gen. DRAMs as well as materials for next-gen. logic ICs and NAND flash memories.

We will aim to promote materials for semiconductor memories as its mainstay product and to move into materials for logic ICs in a bid to become the world’s largest semiconductor materials manufacturer.

*From 2020 Current Status and Future Prospects of Semiconductor Material Market by Fuji Chimera Research Institute Inc.

■ Outline

Location	ADEKA KOREA CORP. the Jeonju 3rd Plant (Wanju-gun, North Jeolla Province, South Korea)
Amount / Total floor area	Not disclosed
Products that will be produced	<ul style="list-style-type: none"> ● New materials for next- and later-gen. DRAMs ● Materials for next-gen. logic ICs and NANDs flash memories
Schedule	Operation : Sep. 2024 (planned)

■ Contacts

ADEKA CORPORATION
Publicity & Administration group , Legal Affairs & Publicity Department
E-mail: somu@adeka.co.jp

