**Project Information**

**InGaNious**

Grant agreement ID: 190127219

**DOl**

[10.3030/190127219](https://doi.org/10.3030/190127219)

**Funded under**

The European Innovation Council (EIC)

**Total cost**

€ 3 186 833,75

**EU contribution**

€ 2 230 783,63

**Start date**

1 February 2023

**End date**

31 January 2025

**Coordinated by**

HEXAGEM AB

Sweden

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**Project description**

**Big plans for smaller pixel sizes**

LED technology has surpassed many traditional lighting methods and is now widely used in electronics for displays and other applications. However, further advancement in the field requires innovations that will enable the production of smaller and smaller LEDs. The EU-funded InGaNious project aims to research and develop a solution. It will focus on the development of innovative indium gallium nitride (InGaN) microLEDs. By using a unique production process, the project will develop pure InGaN microLEDs that are even smaller than current alternatives, with sub 2 μm pixel sizes. This breakthrough will enable the creation of highly efficient and high-quality displays that can be used in a wide range of applications.
Programme(s)

HORIZON.3.1 - The European Innovation Council (EIC)  MAIN PROGRAMME

Topic(s)

HORIZON-EIC-2022-ACCELERATOROPEN-01 - EIC Accelerator Open

Call for proposal

HORIZON-EIC-2022-ACCELERATOR-01

See other projects for this call

Funding Scheme

EIC-ACC - EIC-ACC

Coordinator

HEXAGEM AB

Net EU contribution
€ 2 230 783,63

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Ideon alfa 3 schelevagen 15
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Region
Södra Sverige > Sydsverige > Skåne län

Activity type
Private for-profit entities (excluding Higher or Secondary Education Establishments)

Links
Other funding

€ 956,050,12

**EC signature date** 13 December 2022
**Last update:** 24 May 2023

**Permalink:** [https://cordis.europa.eu/project/id/190127219](https://cordis.europa.eu/project/id/190127219)

European Union, 2023