



Klاران by Crystal IS

Partnering for Success



Klaran by Crystal IS

*Creating smart UVC solutions for healthy life
and living around the world*

Asahi**KASEI**

Crystal  IS™

KLARAN®

 **OPTAN**

Glad to be back



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Imperial College
London



Challenges and Opportunities in 2D Wide Band Gap
Semiconductors for Deep UV Photonics in Space

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Leader in UVC LED Technology

20+ years leading the way in Aluminum Nitride UVC LED

Semiconductor Production

- Crystal Growth
- Substrate Fabrication



UVC LED Production

- **Vertically Integrated**
- Device R&D
- UVC LED reactors, strips, sensors

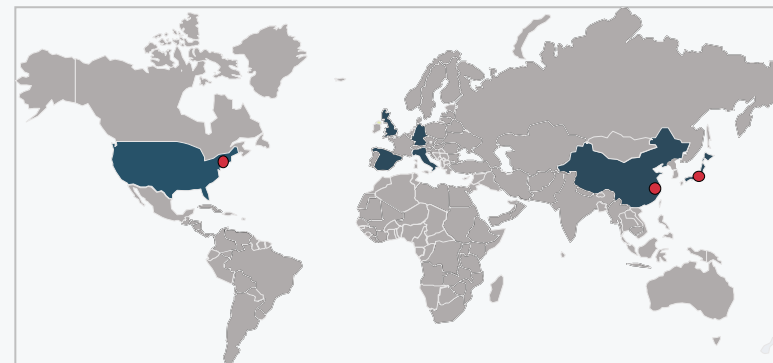


Microbial & Application Center

- BSL-2 Test Facility
- Prototype Development
- **Klaran University**



Global Company part of Asahi Kasei Group



- generates an annual revenue of **> \$20B**
- focused on *contributing to life and living for people around the world* through technical innovation in materials, homes and healthcare
- Awarded **2019 Nobel Prize in Chemistry**



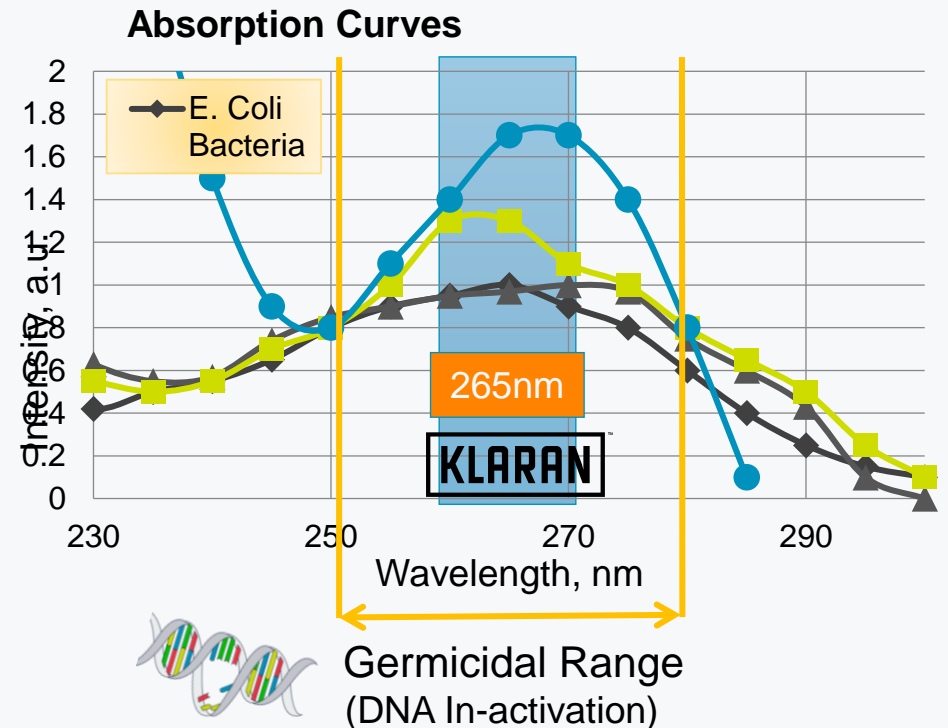
Klaran UVC LED Products

Reliable Disinfection Performances



Aftermarket solution for POU water

Light at 265 nm provides the most efficient disinfection performance



UVC LEDs at 265nm reduce uncertainty from production tolerances and ensure consistent germicidal performance



What can we do for you?

GO-TO KNOWLEDGE BASE

Thought Leader on UVC LED

- Fundamentals of Semiconductors, UVC LEDs
- Design Considerations for Integrators
- System Validation and Protocols
- Regulations, Certifications, H&S

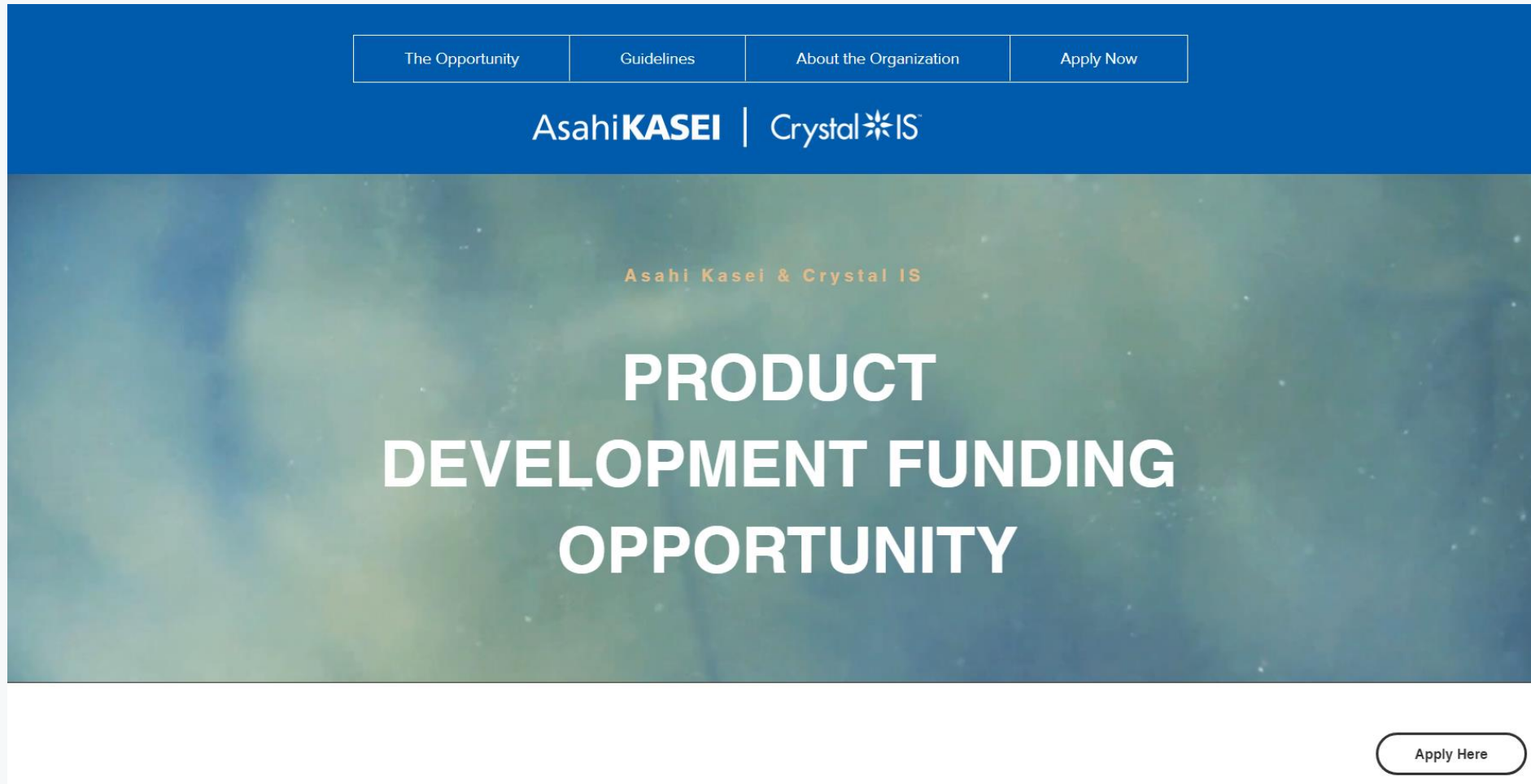
Klaran University

- 2 days seminars
- >30 companies graduated from KU
- Sessions in New York, Munich, Frankfurt, Berlin, London

www.klaran.com/klaran-university



UV Accelerator



The screenshot shows a landing page for the UV Accelerator program. At the top, there is a blue navigation bar with four buttons: "The Opportunity", "Guidelines", "About the Organization", and "Apply Now". Below the navigation bar, the logos for "AsahiKASEI" and "Crystal IS" are displayed. The main content area features a dark blue background with a starry pattern. The text "Asahi Kasei & Crystal IS" is centered in a light orange font. Below this, the words "PRODUCT DEVELOPMENT FUNDING OPPORTUNITY" are written in large, bold, white capital letters. At the bottom right of the page, there is a white button with a black border that says "Apply Here".

What can you do for us?

- Always looking for **partners** to help understand markets and specify industry needs for new applications and future products
- Connect us to **regulatory committees** in Europe to support our efforts to create standards around the use and validation of UVC LED technology



Questions?

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