




## Pune Knowledge Cluster

Presents

### SUST-EN Series

#### Title - Green Hydrogen in India: Prospects and Impending Challenges

<b>Organized By</b>	Pune Knowledge Cluster (PKC)
<b>Date</b>	Friday, 1 November 2023
<b>Time</b>	5 PM to 6 PM
<b>About PKC's SUST-EN Series</b>	PKC's sustainability and environmental initiatives are focused on making Pune resilient in terms of food, water, and livelihood. Achievement of this goal requires increasing vegetation cover, which other than food, water, and livelihood security can also help in climate change mitigation. This also helps in multiple other ways such as increased carbon storage, reduced emissions of GHGs, and support industries. PKCs Sust-En series consists of public talks, focused group discussions, and workshops with experts in the environment and sustainability space. Through this series, we aim to promote collaborations, co-creation of technologies, and conceptualization of city-scale projects to solve key issues related to carbon emissions, wastewater treatment, improving air quality, and green energy production.
<b>Abstract</b>	In this talk, we will explore green hydrogen's pivotal role in global decarbonization, emphasizing its rapid global rise backed by significant investments. While underscoring its vast potential in energy security and sustainability, we will navigate through critical challenges from establishing its eco-credentials to commercials, and application specificity, setting the stage for this nascent industry's impactful journey ahead.
<b>Speaker</b>	Mr. Santosh Gurunath (Co-Founder & CEO Uimage Hydrogen)
<b>Registration Link</b>	<a href="https://forms.gle/1pdpFfY7hM8zG5L7A">https://forms.gle/1pdpFfY7hM8zG5L7A</a> or Scan QR code 
<b>Number of Seats</b>	The talk is free and is open to all.



**Santosh Gurunath**  
Co-Founder &  
CEO Umagine  
Hydrogen

#### About the speaker:

Santosh Gurunath, an alumnus of TU Delft, Netherlands, boasts over a decade of expertise in diverse energy sectors & consultancies, including roles at Shell, McKinsey, & BCG, and entrepreneurship with Umagine since 2019. Passionate about sustainability, he's executed numerous projects in solar energy, EVs, and hydrogen, primarily in the Netherlands and India. Since 2021, Umagine is based out of India, and dedicated to propelling the low-carbon hydrogen economy through comprehensive advisory roles across policy, strategy, engineering & technology, aspiring to significantly shape the global hydrogen ecosystem. Additionally, they are developing hydrogen fuel cells for stationary power applications under the H2 Carbon Zero brand in India.



#### About the organizer:

The Pune Knowledge Cluster (PKC) has been established by the Office of the Principal Scientific Adviser to the Government of India. The aim is to bring together academia, R&D institutions and the industry of Pune and its surrounding areas, to address the challenging problems of the region through innovative means, using scientific knowledge and engaging highly skilled human resources. Furthermore, PKC aims to foster capacity building and promote skills development and entrepreneurship among the students and professionals of the city. All relevant organizations and experts will be partners and consulted to identify sustainable solutions to the problems of the city and improve its liveability and prosperity. While the PKC is administered by the Inter-University Centre for Astronomy and Astrophysics (IUCAA), it is a project of and for the whole city. In the initial phase, PKC would focus on air, water, health, and sustainable mobility.

For more information, visit: <https://www.pkc.org.in/>



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