



# INNOVATING FOR IMPACT: ADVANCING SUSTAINABILITY WITH TECHNOLOGY



## Session Overview

ObserveNow Media, in collaboration with Autodesk, hosted an exclusive discussion focused on the theme **“Innovating for Impact: Advancing Sustainability with Technology.”** This event brought together industry leaders, technology experts, and sustainability advocates to explore the transformative role of technology in driving sustainable infrastructure and smart development.

The session examined advanced innovations in architecture, engineering, and construction, emphasizing the integration of artificial intelligence, IoT, and digital twins to achieve a more sustainable future.

# About

**Autodesk** is transforming how the world is designed and made. Its technology spans architecture, engineering, construction, product design, manufacturing, and media and entertainment, empowering innovators to solve global challenges.

From creating greener buildings to designing smarter products and producing immersive entertainment, Autodesk's software enables users to build a better world. Over 100 million people use its solutions, including AutoCAD, Revit, Maya, 3ds Max, Fusion 360, and SketchBook, across personal computers, mobile devices, and cloud platforms. The cloud-based capabilities of Autodesk software facilitate global collaboration, design simulations, and 3D fabrication.

Headquartered in the San Francisco Bay Area, Autodesk employs over 10,000 people worldwide. Committed to diversity and inclusion, it offers competitive compensation and benefits while fostering an innovative and inclusive workplace culture. Visit Autodesk's social channels to explore # AutodeskLife.

**ObserveNow Media** is a premier B2B Media Marketing Company that fosters leadership and innovation across industries. By curating impactful content and organizing bespoke IP events, ObserveNow connects decision-makers and thought leaders, enabling collaboration and growth in key sectors.

# Event Overview

**Organized By:** ObserveNow Media and Autodesk

**Theme:** Innovating for Impact: Advancing Sustainability with Technology

**Format:** Closed-door roundtable discussion

**Participants:** 10 Esteemed Leaders from Infrastructure, Architecture, and Technology joined the discussion:

1. **Devendra Kumar Sachan**, Director (Tech & PR), Central Public Works Dept.
2. **Pratyush Akhaury**, AGM - PMO, RMSI PRIVATE Ltd
3. **Swati Agarwal**, President and Head of Architecture and Project Management, Voyants Solutions Private Limited
4. **Ravindra P Singh**, GM Projects, Ahluwalia Contracts (India) Ltd.
5. **Harish Chander Singh**, Technical Manager - Transportation and Liner Infrastructure Design & Engineering, AtkinsRéalis
6. **Mohammad Raghib Ahmad**, DGM-ICT, Egis in India
7. **Surinder Nagi**, HOD Architecture, Meinhardt India
8. **Avneesh Vats**, Vice President (Digital Infra and Innovation) and CIO, Techno Electric & Engineering Co. Ltd.
9. **Yashveer Singh Tyagi**, Deputy General Manager - BD (Digital), Assystem in India
10. **Jayendra Chaturvedi**, Project Director, Tata Projects

# Key Discussion Points

## **The Foundation of Smarter Infrastructure: Role of IoT and Connectivity**

- Experts discussed how IoT integration in infrastructure enhances efficiency and sustainability, enabling real-time monitoring and predictive maintenance.

## **Data-Driven Decision-Making and Predictive Maintenance**

- Panelists explored the role of data analytics in optimizing construction projects, reducing waste, and improving infrastructure longevity.

## **Sustainable Infrastructure Development with Green Technology**

- The discussion highlighted green building materials, energy-efficient design, and the impact of sustainable technology on reducing carbon footprints.

## **The Role of Artificial Intelligence in Building Smarter Infrastructure**

- AI-driven solutions were identified as key to automating design processes, enhancing construction accuracy, and improving resource management.

## **Digital Twins and Virtual Infrastructure Planning**

- Industry leaders emphasized the benefits of digital twins in simulating real-world scenarios, improving project planning, and minimizing risks.

## **The Future of Smart Infrastructure: Trends and Emerging Technologies**

- The session concluded with an outlook on future trends, including smart grids, blockchain in construction, and advancements in sustainable urban planning.



# Collaboration and Impact

The roundtable reinforced the importance of collaboration between technology innovators and infrastructure leaders. ObserveNow curated the discussion to:

- Connect influential voices from the architecture, engineering, and infrastructure sectors.
- Develop a focused agenda addressing sustainability challenges and opportunities.
- Facilitate actionable insights that drive sustainable innovation.

Autodesk's expertise in design, engineering, and technology provided valuable perspectives on leveraging advanced solutions for a greener and more efficient future.

## Conclusion

The “Innovating for Impact” roundtable successfully convened leaders to explore the intersection of technology and sustainability. By fostering such dialogues, ObserveNow and Autodesk continue to empower industries to drive meaningful change in smart infrastructure and sustainable development.

## Key Takeaways

- IoT and connectivity are crucial for creating smarter, more efficient infrastructure.
- Data-driven decision-making enhances sustainability and operational efficiency.
- Green technology and AI-driven innovations are essential for sustainable development.
- Digital twins revolutionize infrastructure planning and risk management.
- Future trends will shape the next generation of smart and sustainable infrastructure.

# Event Glimpses

