

# Future World Vision: Infrastructure Reimagined.

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From climate change to autonomous vehicles, engineers are confronting a variety of environmental challenges, demographic shifts and technological changes that will require a drastic rethinking of how we build, operate, and maintain our infrastructure systems.

To help anticipate the coming changes and their effects on engineers and the communities they serve, the American Society of Civil Engineers has launched a bold, comprehensive project to prepare for future change, known as **Future World Vision: Infrastructure Reimagined**.

Planning for the future is difficult for nearly every organization. It's confusing, complicated, expensive and disconnected from the present. As a result, it's often easier to focus only on incremental changes to existing infrastructure.

The Future World Vision Platform addresses these challenges by creating a simulation/VR/AR enabled Immersive Storytelling Experience to allow engineers to test problems, develop solutions and collaboratively promote solutions to change our industry culture and improve the communities we serve.

This approach offers several benefits:

- **Easy to understand** - Users discuss specifics based not on theoretical ideas but on virtual infrastructure and buildings that they see in the platform
- **Personally impactful** – Exploring these CityWorlds through first-person narratives humanizes the impact of sweeping trends, projects, and policy decisions
- **Defined through deep research** – Plausible futures are informed by robust interviews with experts and scenario planning exercises involving academic, government, and industry professionals

Once the project is complete, users will explore five fully developed CityWorlds, each addressing a range of potential advances and time horizons: Floating City, Mega City, Rural City, Frozen City and Off-Planet City. These cities are not as far off as we think: The UN recently unveiled preliminary plans for a sustainable, storm resistant floating city!

Session attendees will learn more about this ambitious project, the timeline for completion, and the opportunities it offers for educational and collaborative programs.