

# Planning for Tomorrow: How Engineers are Shaping our World



Future World Vision is an interactive and immersive experience that explores the futuristic built environment of 2070

Civil engineers are currently working to develop future cities through:

- Research
- Innovations
- Applications



Rural City



Floating City



Mega City



Off-Planet City



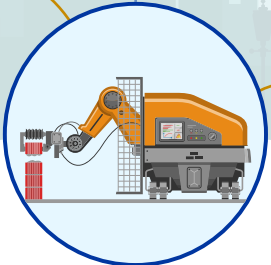
Frozen City

ASCE collection of studies explores the future of civil engineering by 2070



## Virtual and augmented reality

- Building inspection
- Geotechnical engineering



## Robotic construction

- Challenges to application and adoption
- Autonomous navigation



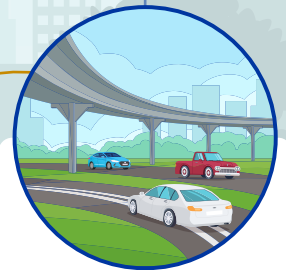
## Climate change

- Water security in coastal cities
- Restoring transport after disruption due to flooding



## Alternative energy

- Optimizing solar energy use



## Transportation and bridge engineering

- Future outlook
- Implications and strategies
- Autonomous vehicles



Civil engineers are working to achieve the Future World Vision goal set 50 years in the future by making the best use of available technologies

The goal is to build an environment that is more efficient, equitable, and adaptive

Systems integration is essential to pave the way for a futuristic yet sustainable infrastructure