



HEXAGON

empowering an autonomous future

Multi stakeholder approach to ESG

Andrew Hurley

FIG

May 2023



“A Map is Like a Poem - its lines and contours and what they represent can evoke action, imagination and inspiration of what it is and what can be”

Manhattan



Old
New York 1931



New

Society will continue to develop

The world is building the equivalent of New York City every month



Global population is expected to increase from 8 billion today to 10 billion by 2050



4 billion people living in cities today, on the way to 6.5 billion by 2050

More people
living longer
in fewer places
wanting more ...

economically,
socially and
environmentally
sustainable?

Society will continue to develop



65%
OF SCHOOL
CHILDREN TODAY
WILL WORK IN JOBS
NOT YET CREATED

More people
living longer
in fewer places
wanting more ...

economically,
socially and
environmentally
sustainable?

The world's social problems impact all business



Health Crisis



War



Overpopulation



Lack of Housing



Discrimination



Human Rights

...new ways of working, forced immigration, abuses within the supply chain...

....**Discrimination** gender, racial, cultural, background, etc...

Environmental challenges are pressing our planet

In the last 50 years environmental problems have exacerbated



Deforestation



Pollution



Water crises

Climate change



Waste



Biodiversity loss



Collaboration to redefine industries

Empower communities

- Involve in decision-making
- Inclusive and responsive to their needs

Develop policies

- Advocate for supportive policies, and incentives that promote sustainable practices

Scale impact

- Combine influence to amplify impact
- Drive widespread adoption

Share expertise and resources

- Bring together diverse / complementary knowledge
- Combines skills and resources

Leverage Innovation

- Exchange of best practices and knowledge
- Enable effective solutions

Interconnect issues

- Integration of different stakeholder needs
- Holistic approach to solving challenges

Multi-stakeholder partnerships

Co-creating value

Surveyors are instrumental in driving sustainable outcomes

But none of these can be tackled by just one stakeholder

Accelerating the UN's SDGs



Increasing productivity and reducing waste



SDG 12: Responsible consumption and production



SDG 7: Affordable and clean energy



SDG 9: Industry, innovation and infrastructure

Reducing natural disaster risks and increasing safety



SDG 3: Good health and well-being



SDG 11: Sustainable cities and communities



SDG 9: Industry, innovation and infrastructure

Protecting the environment



SDG 13: Climate action



SDG 15: Life on land



SDG 17: Partnership for the goals



Mexico City to Toluca 57.7KM Rail

Digitalization of the Surveying and Engineering Processes

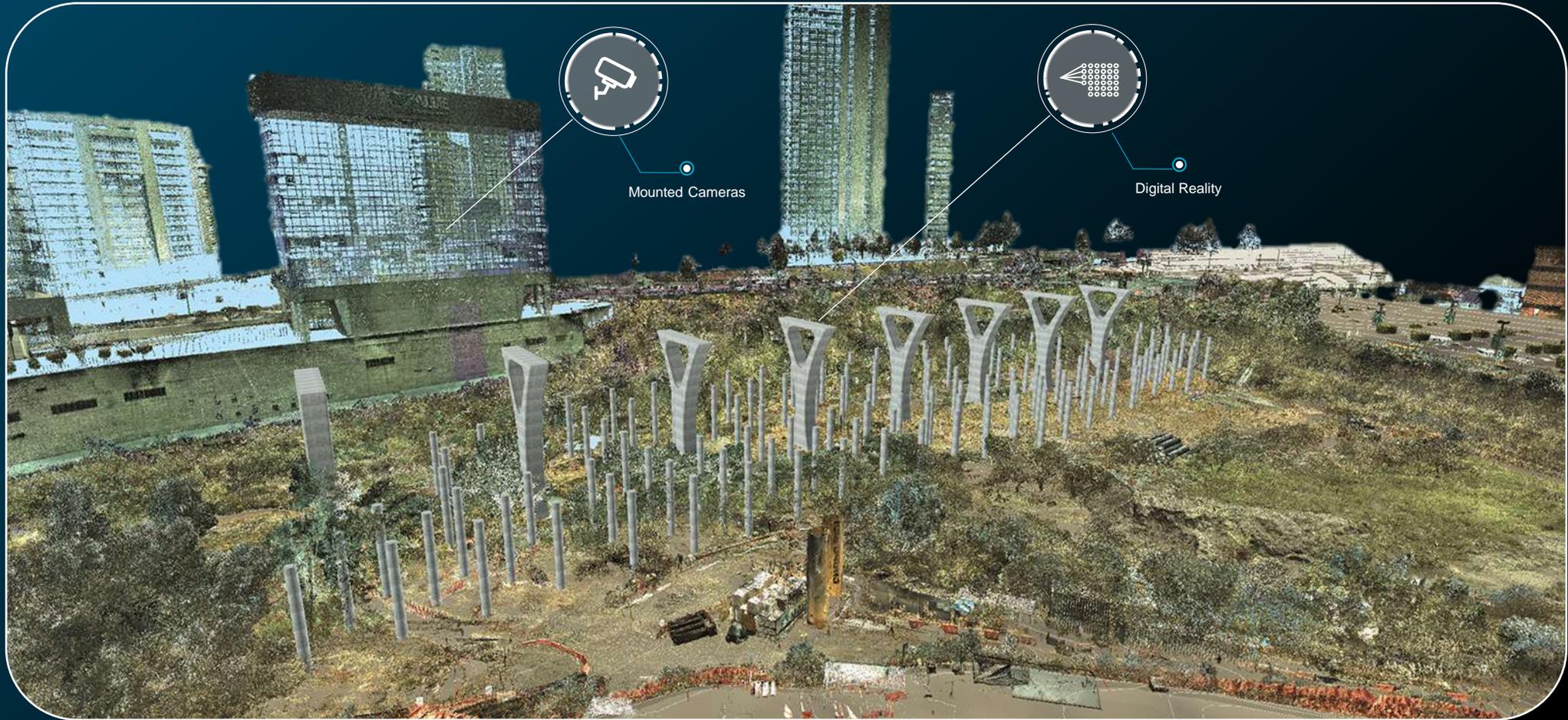
- Information sharing
- Drive demonstrable efficiencies
- Anticipate Problems
- Speed to Decision
- Safety

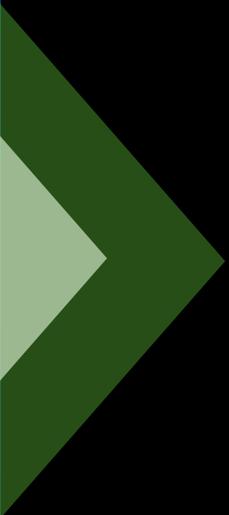


Collaboration and Accessibility

- IYUET deployed a plethora of technologies on the project – UAV's / Terrestrial Scanners / traditional surveying equipment to create highly accurate DTM's of the route
- information collated in a construction information model that was easily accessible and shared.
- Disaster Prevention - accurately location of Mexico's main water systems that ran under the construction site
- Socially Conscious – used to digital information to ease concerns effecting quality of life

Socially Conscious





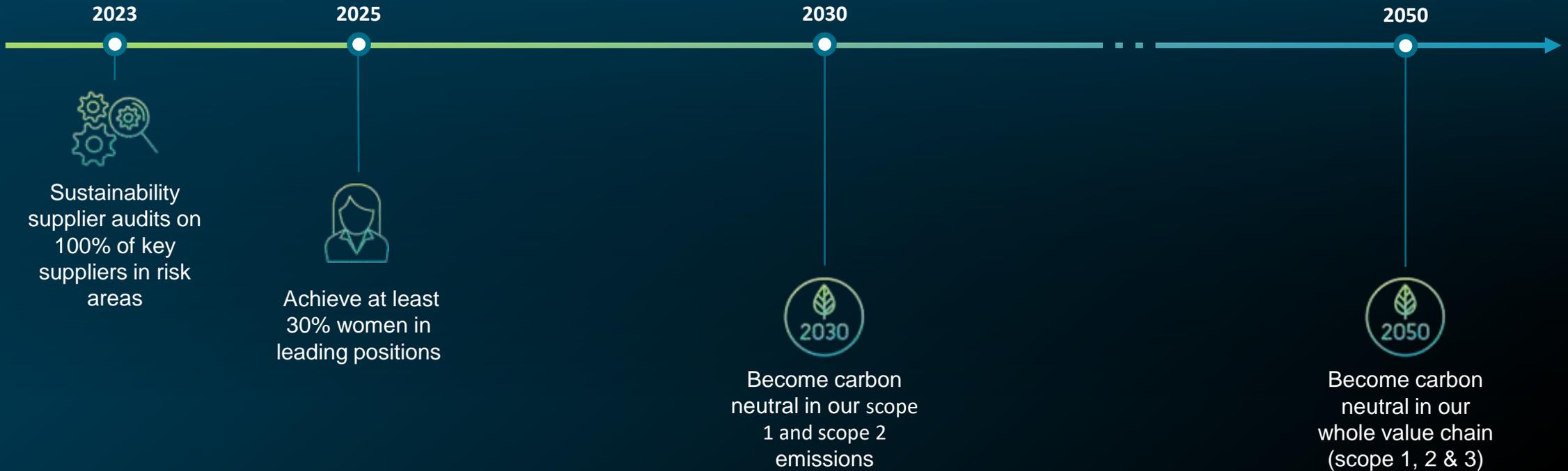
Passion and purpose change everything



Hexagon's Targets



Signatory to SBTi, joined



Driving sustainable outcomes through ***our solutions***

THE CLOCK
IS TICKING
WE'RE ALL
ACCOUNTABLE

