

15 - 16 November, Wembley Stadium, UK

Benefits of Spatially-Enabled Enterprise Project Controls

Locana
EVERYTHING LOCATION

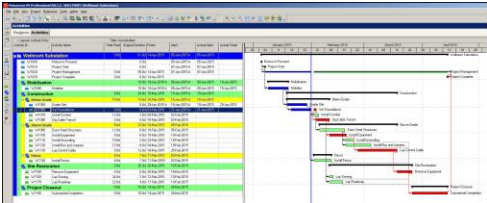


 **Project Controls**
EXPO
London, UK

Why should capital project organisations embrace spatial technology?

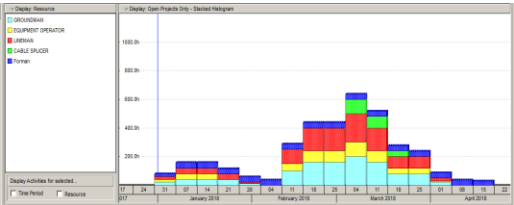
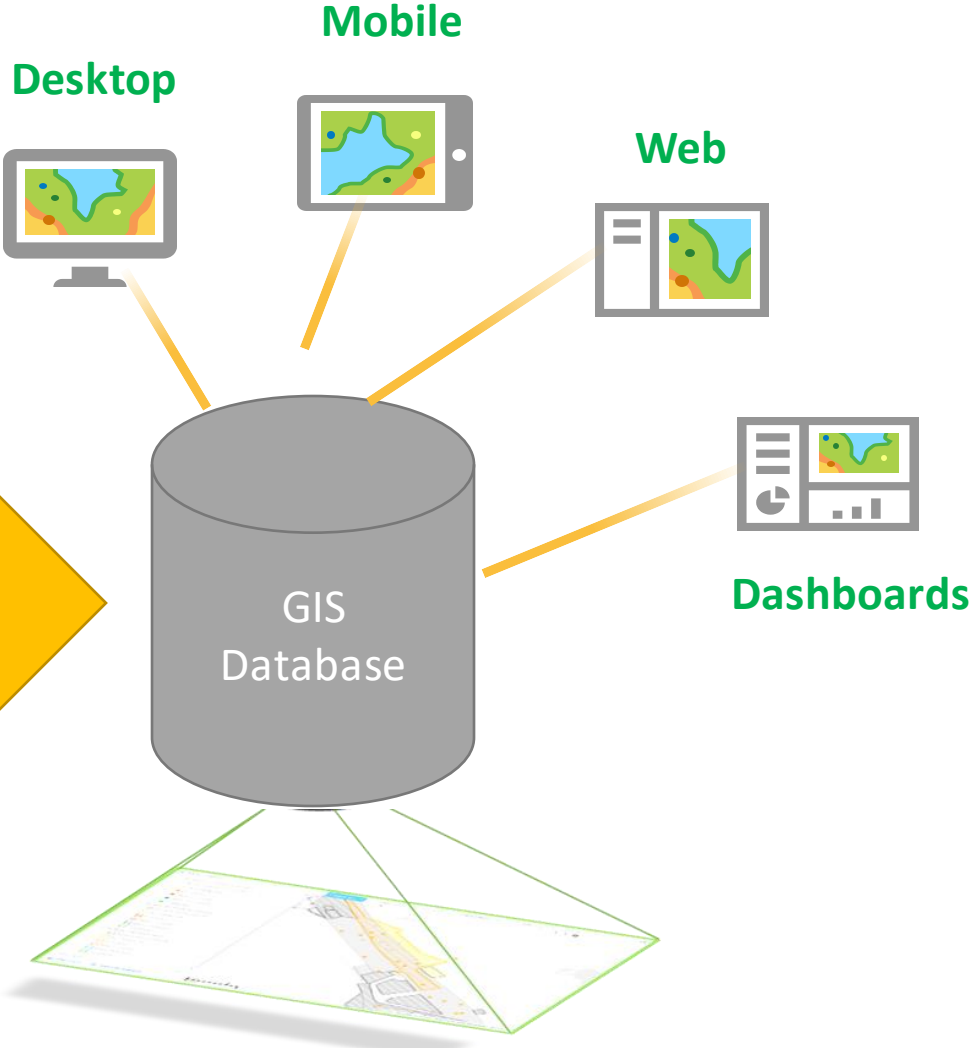
- Locana is the leading proponent of the use of location applications for project controls
- At the 2021 Project Expo (as Critigen) we showed how these could augment project planning systems . . .
- This presentation will elaborate on the benefits that accrue from using this technology alongside your project controls environment.

How location and scheduling combine



Planning and scheduling application

On the fly schedule data extraction



These are the areas where benefits accrue

- Programmes have a wealth of location and mapping data which provides an opportunity to improve planning through a web enabled, integrated, GIS



Improve
Collaboration



Plan to meet
Environmental
needs



Enhance
Stakeholder
Communication



Plan for Health
and Safety



Track progress

Improve Collaboration



- Visualise and align plans across teams and subcontractors
 - Is site access in place?
 - Has utility work been completed?
 - Do we have approval to close roads?
 - Do we have wayleaves?

Improve Collaboration

London

Sign in ?

Home Mapping Tax Parcels Workflow Find Markup Editing

Point Freehand Line Polygon Rectangle Buffer Shape Results for...

Filter Query Advanced Query Locate Address Geocode Point New Plot Clear All

Clicked Coordinates
Lat: -20,034.954
Lon: 6,710,210.304 Lat/Lon (DD)

Map Layers
Layer Theme: Streets (default)

P6 Programme

- Design Element Areas
- Land and Property
- Ground Investigations
- Amphibian Pond Surveys
- All Activities

Base Maps

Graphics Layers

Start: 10/29/2015 12:00:00 PM Time Extent: 0 sec. End: 10/31/2015 11:58:59 PM

No activities in P6 for GI site

Work planned to start on GI Site before work to gain access across land started

Do we need to plan for access across a land parcel?

Are we starting work on this land parcel too soon?

Legend:

- No Activities found on P6
- Not started yet
- In Progress
- Completed
- Behind Schedule

Show Legend Filter...

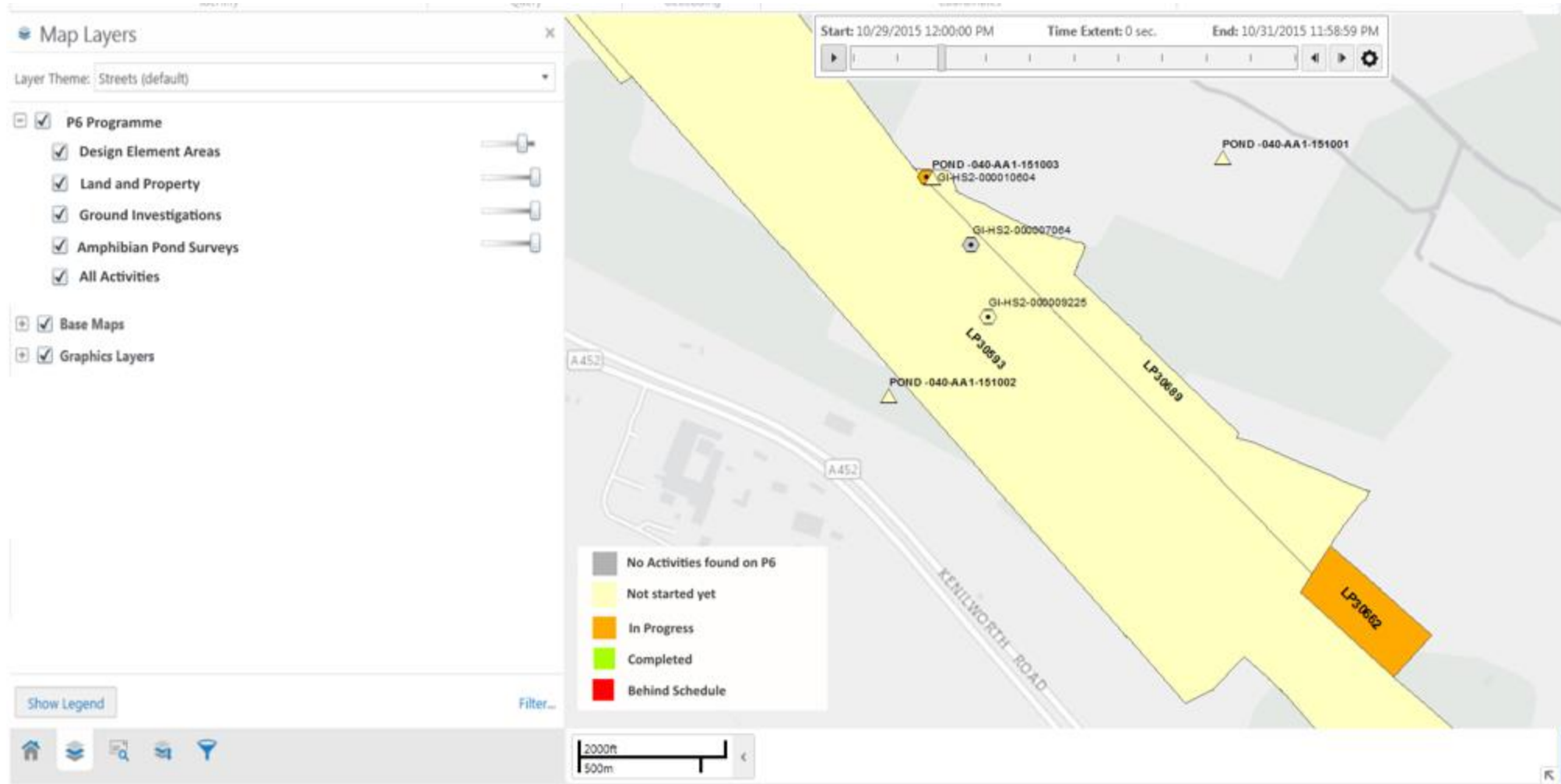
2000ft 500m

Plan to meet environmental needs



- Overlay designs in 2D/3D on maps
 - Evaluate physical access
 - Proximity check impacted
 - utilities
 - protected species et al
- Inspect recent and historical surveys (including LiDar)
- Examine satellite and drone imagery
- Mobile GIS
- Map-based scheduling

Plan to meet environmental needs



Plan to meet environmental needs

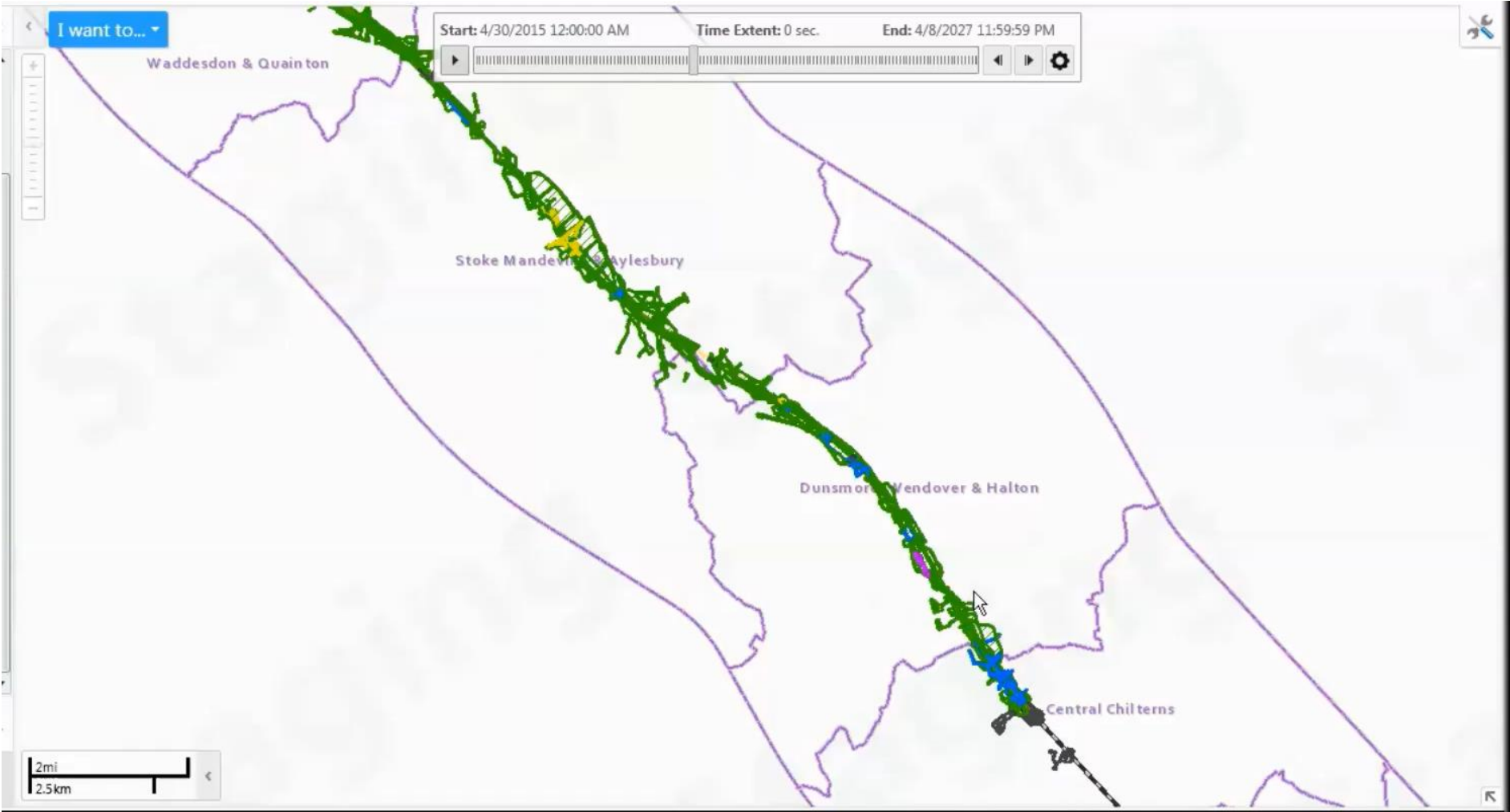


Enhance stakeholder communication

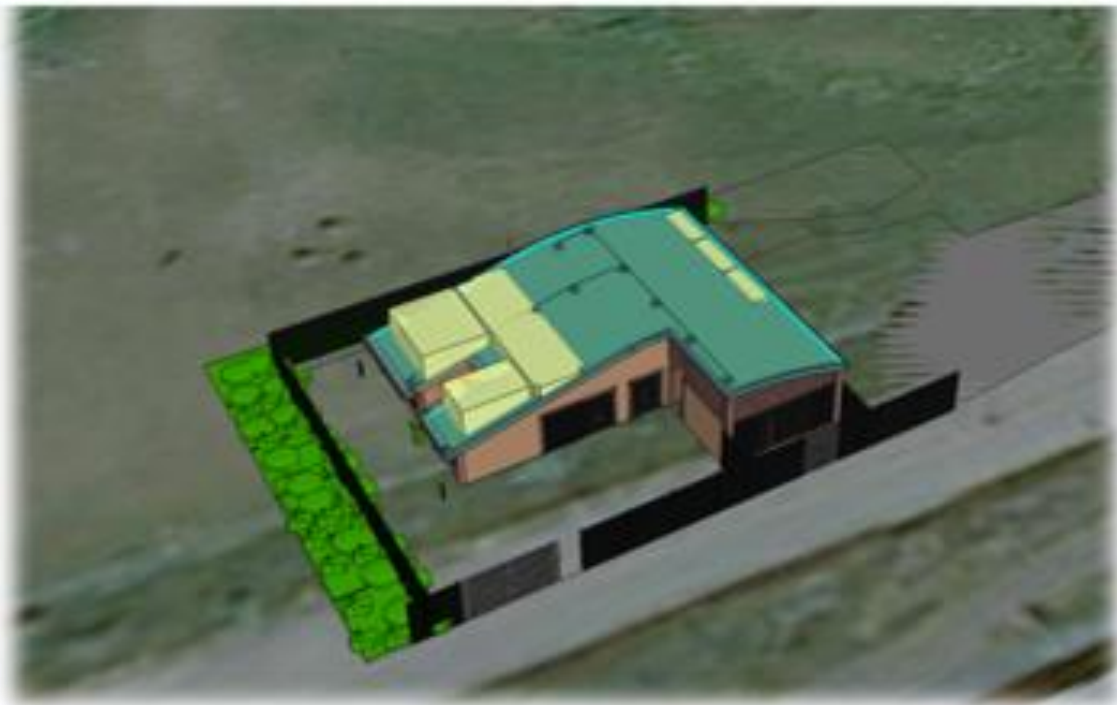


- Senior leaders see progress without looking at Gantt charts
- Tell or advise the community who will be impacted and when
- Communicate progress to external parties

Enhance stakeholder communication



Enhance stakeholder communication



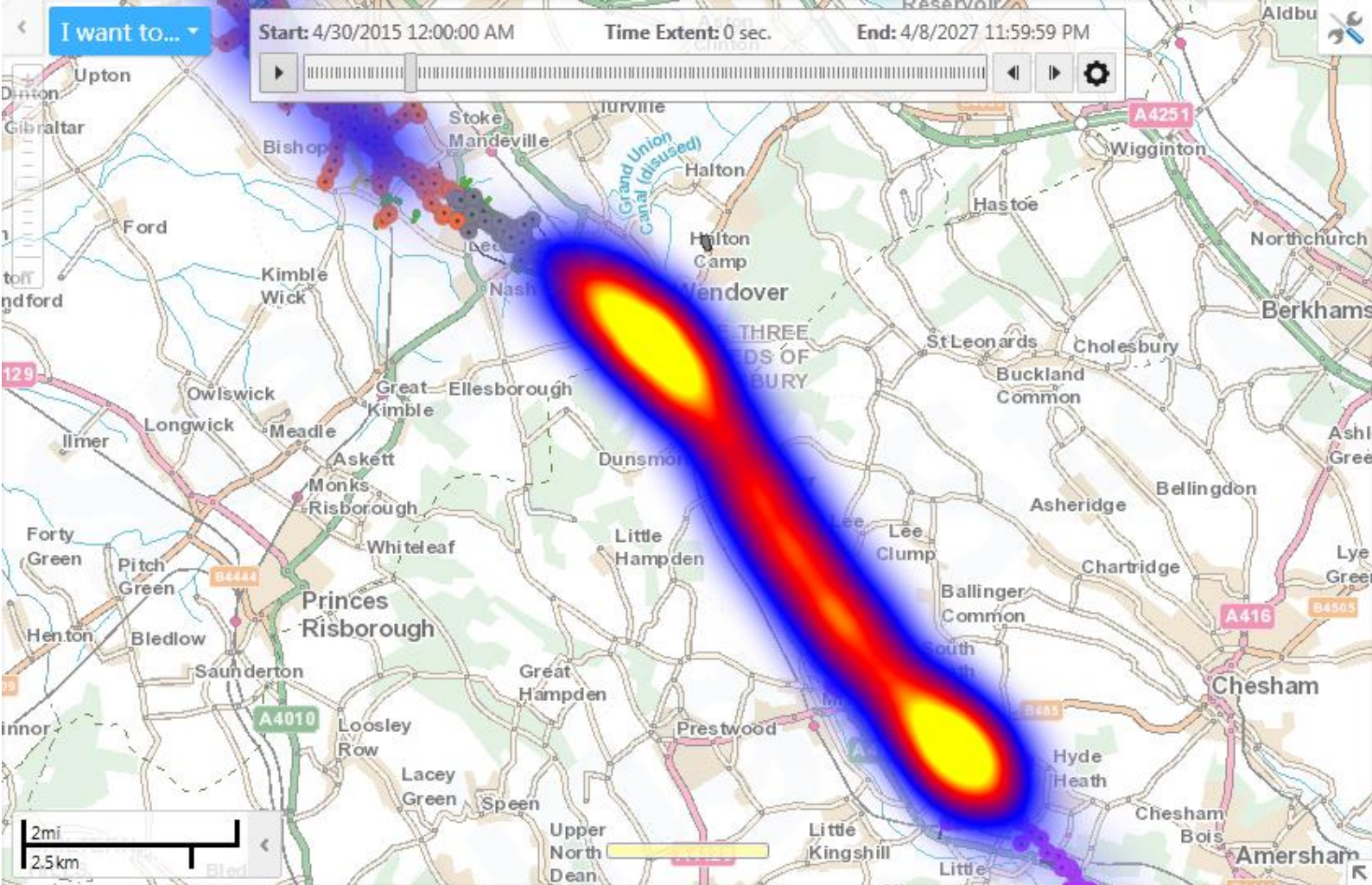
- 3D models in GIS
 - Enterprise access
 - BIM
 - Options Appraisals

Plan for health & safety



- Accommodation needs
- Access to medical or emergency services
- Locate local hospital, surgeries, dentists, etc
- Restrooms and other hygiene needs
- Site risks and hazards

Plan for health & safety



Plan for health & safety



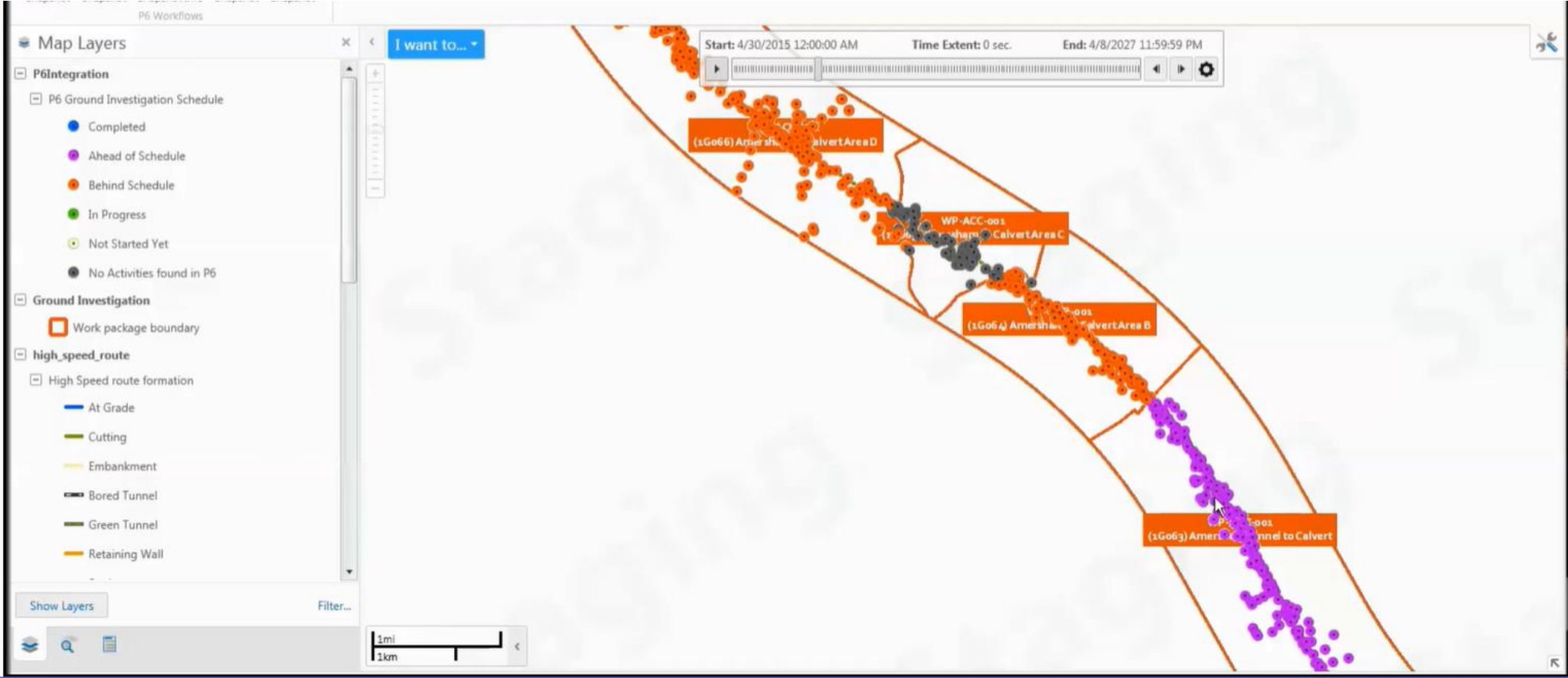
Note: Data is for illustrative purposes only.

Track progress



- **Near Real time visibility of progress**
 - **Surveys**
 - **Live onsite data streams**
 - **Drone data**
 - **Imagery**
- **Compare to plans and designs**

Track progress



Track progress

Layers: P6 Asset Schedule
24 July 2019

Fixed Asset Package Schedule:
W_3

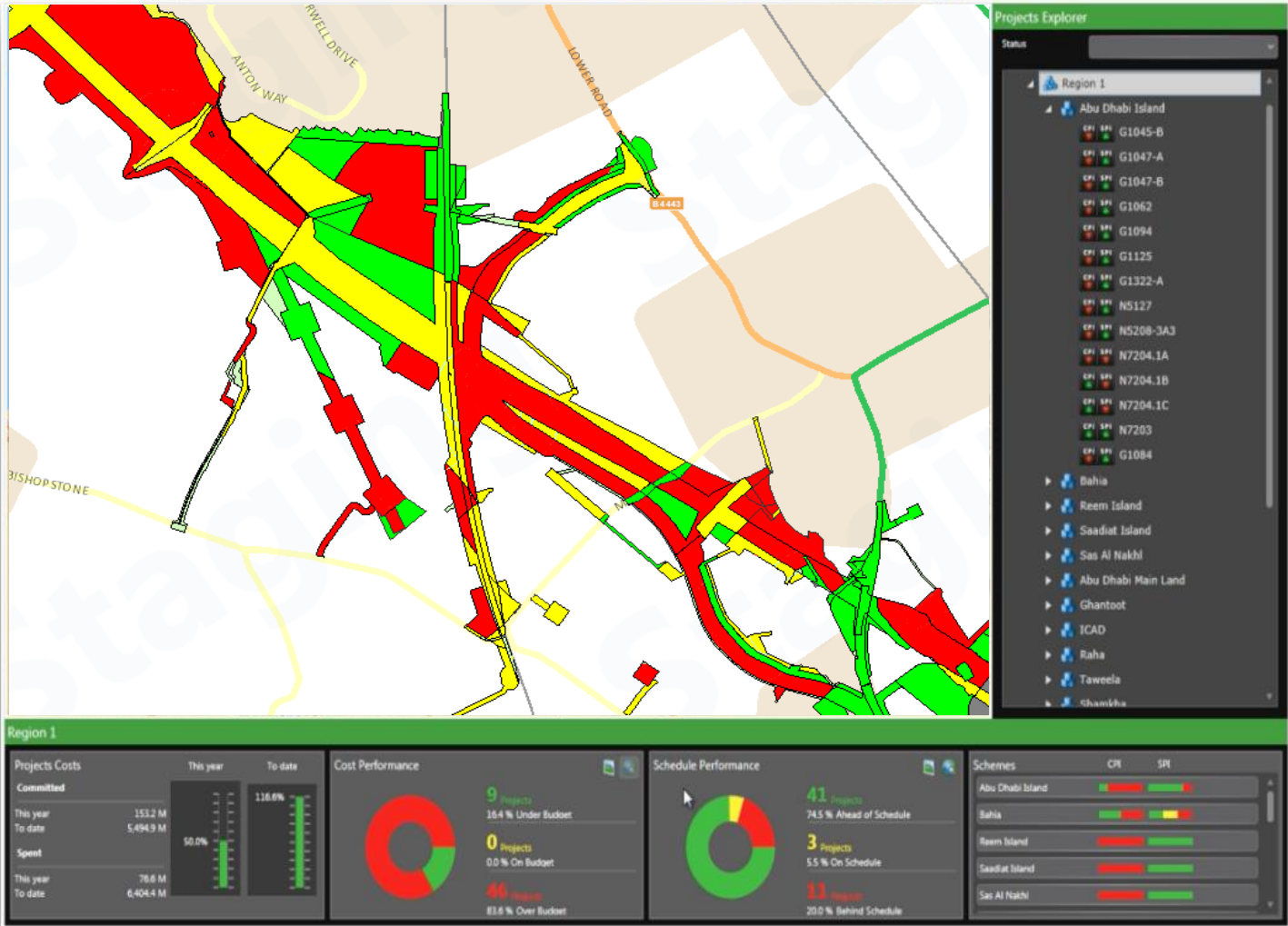
MSID	P6 Activity StartTime	P6 Activity EndTime	P6 Activity Description	P6 ActivityID	Project No	Project Desc	Project EPS	Project URL	Project Manager	Senior Programme Advisor	Senior User
_3	6/26/2017 1:00 am	8/23/2017 12:59 am	Task Order Design Proposal	A1080	PN1001	Defence Walls	FAA		PM 1	SPA 1	SU 1
_3	5/23/2018 1:00 am	9/26/2018 12:59 am	Task Order Design And Build Proposal	A1080	PN1001	Defence Walls	FAA		PM 1	SPA 1	SU 1

Note: Data is for illustrative purposes only.

Track progress



Track progress



Summary and recap

This presentation has shown you that by combining location services with your project schedule you will be better able to:



**Enable
Collaboration**



**Meet
Environmental
needs**



**Enhance
Stakeholder
Communication**

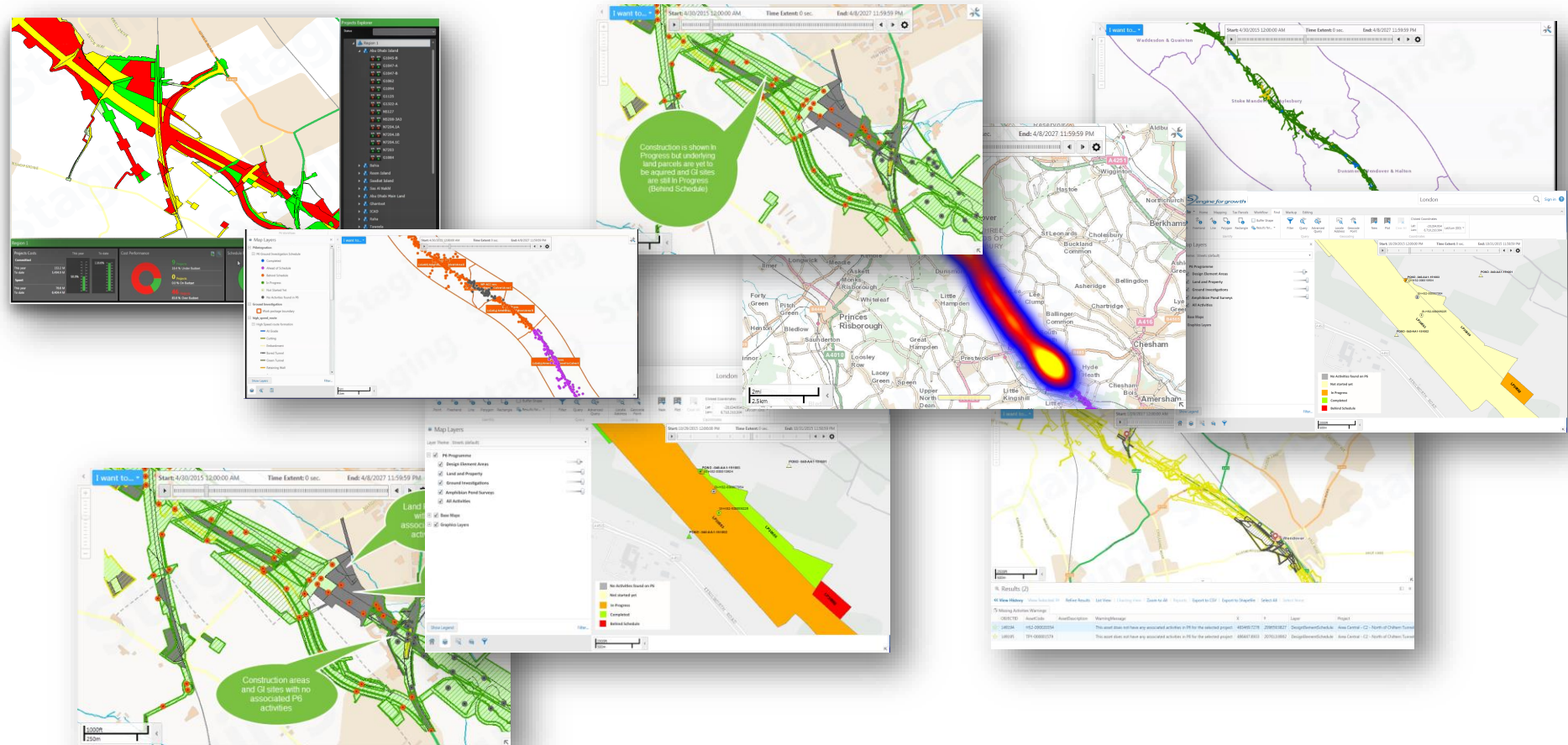


**Improve Health
and Safety Processes**



**Track progress
more effectively**

To learn more about Location-Intelligent Planning



Contact Us:

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www.locana.co

THANK YOU