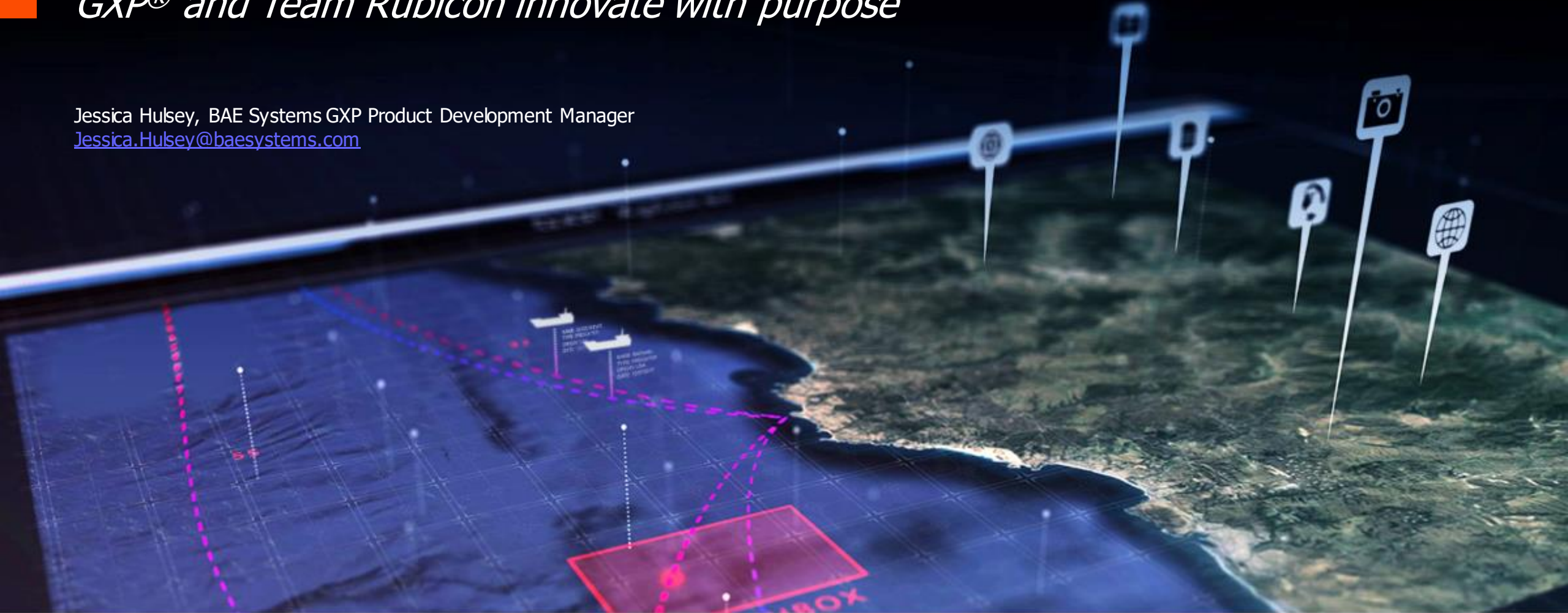


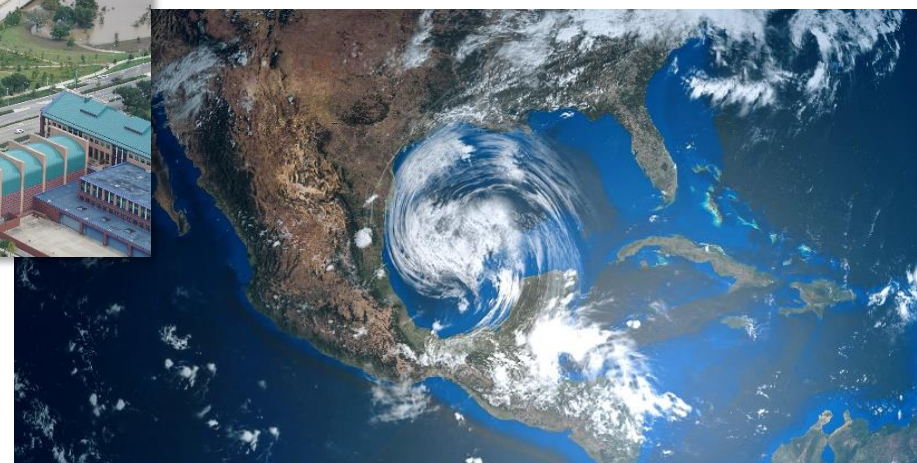
Delivering effective geospatial solutions for disaster response

GXP® and Team Rubicon innovate with purpose

Jessica Hulsey, BAE Systems GXP Product Development Manager
Jessica.Hulsey@baesystems.com



Hurricane Harvey and a call to action



GXP® solutions for disaster response
Hurricane Harvey (August, 2017)

A timeline...



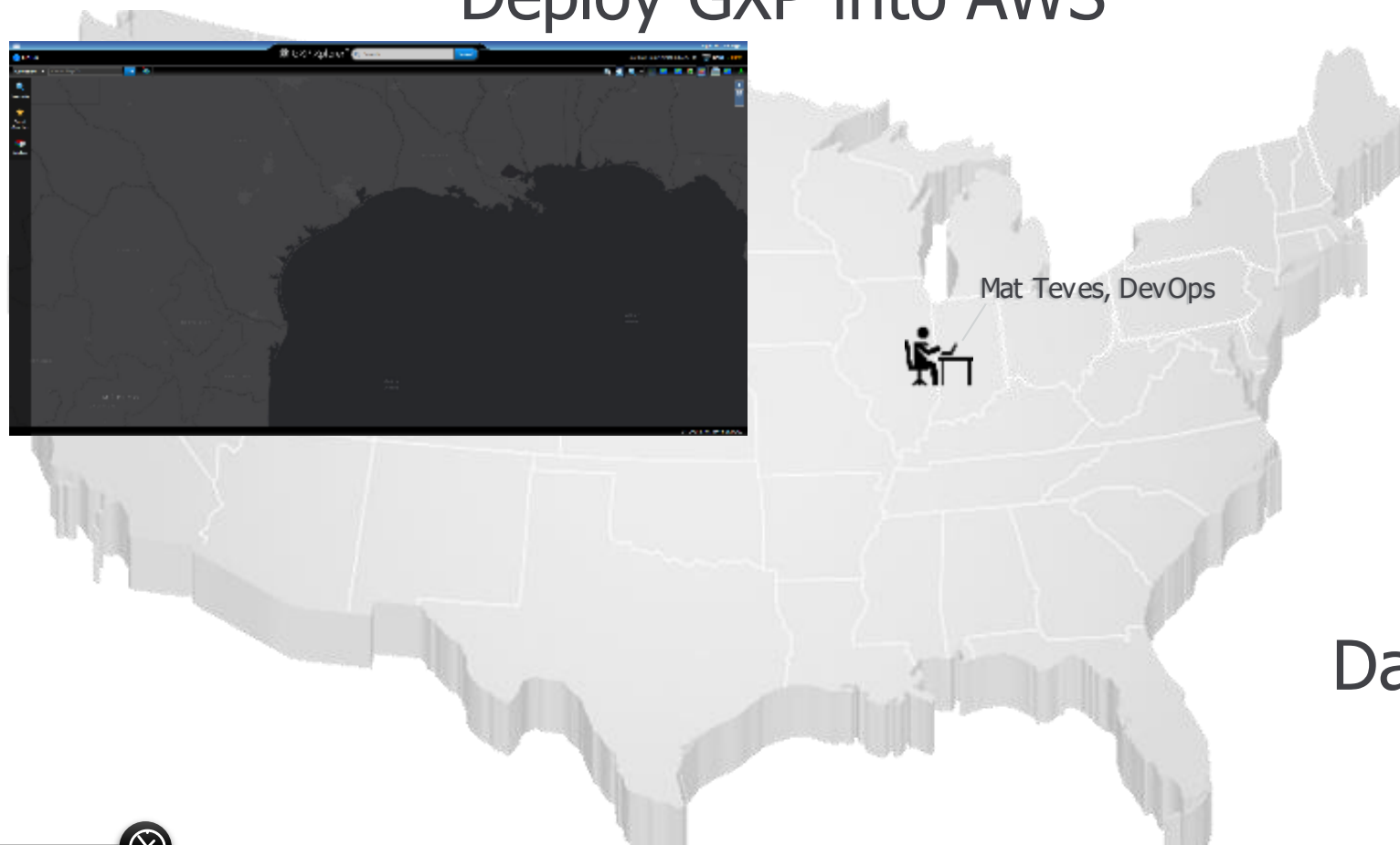
Day 1



August 25

GXP solutions for disaster response Hurricane Harvey (August, 2017)

Deploy GXP into AWS



Day 2

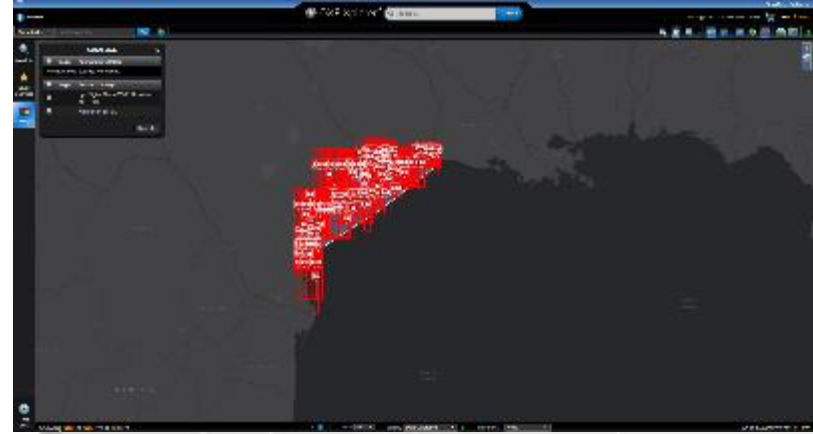
GXP solutions for disaster response Hurricane Harvey (August, 2017)

Enable **FirstLook**

A MAXAR COMPANY



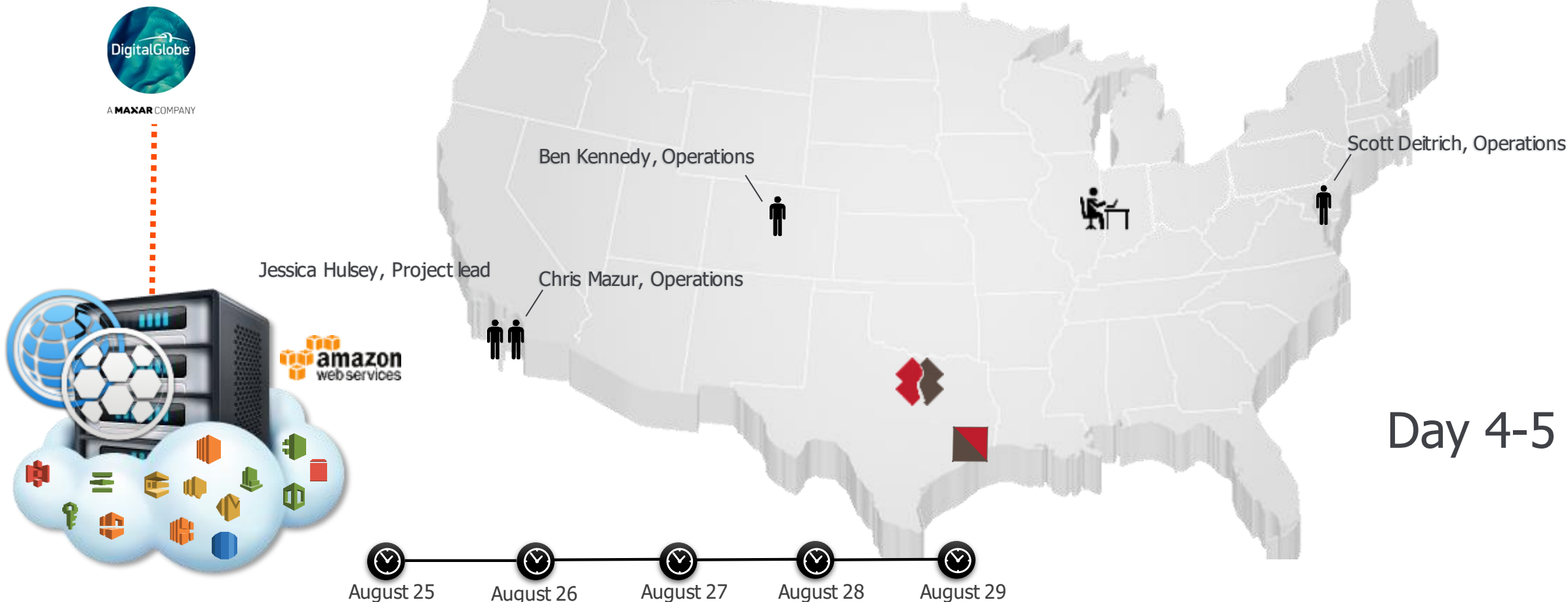
A MAXAR COMPANY



Day 3

GXP solutions for disaster response Hurricane Harvey (August, 2017)

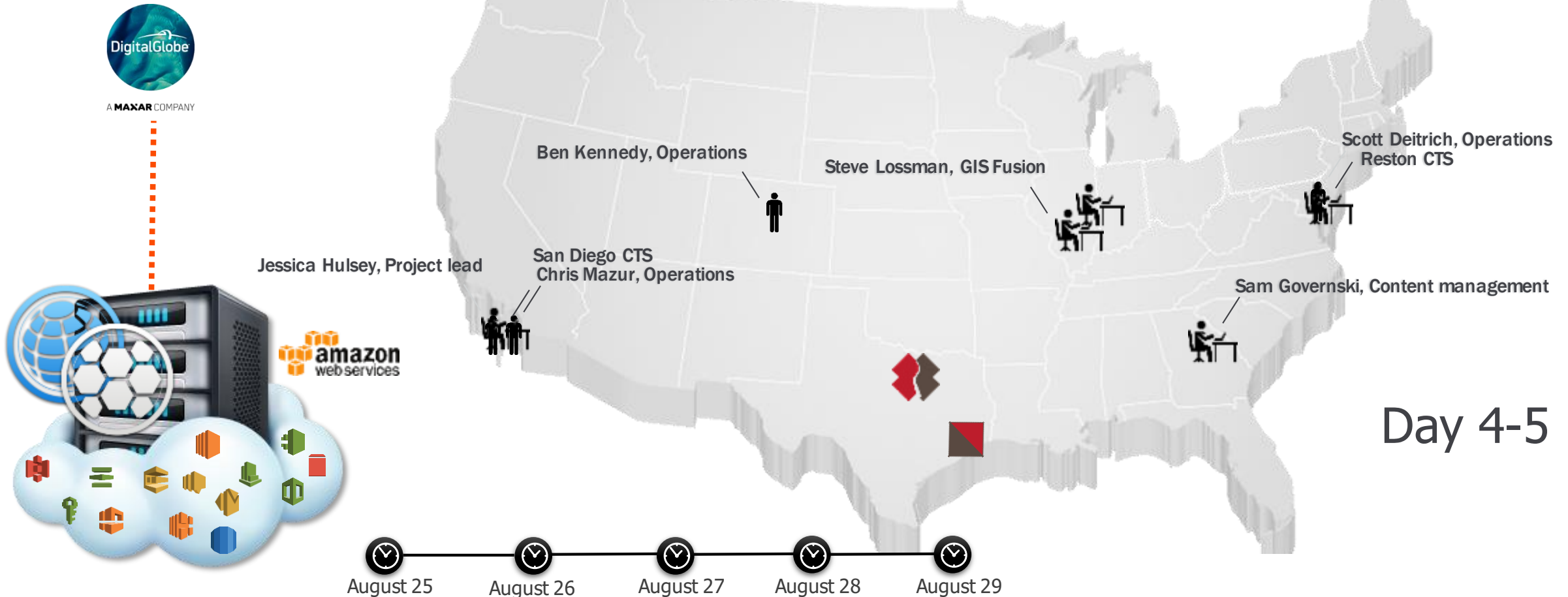
Assemble and deploy team



Day 4-5

GXP solutions for disaster response Hurricane Harvey (August, 2017)

Assemble and deploy team



Day 4-5

GXP solutions for disaster response Hurricane Harvey (August, 2017)

Assemble and deploy team



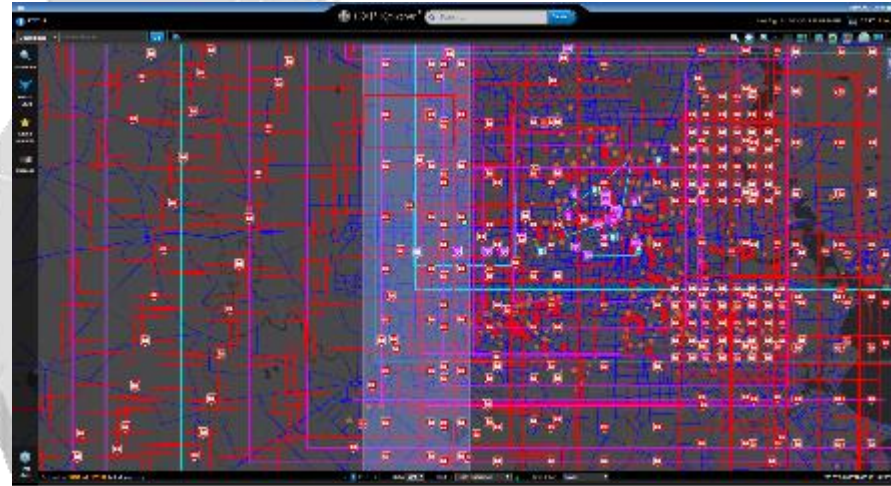
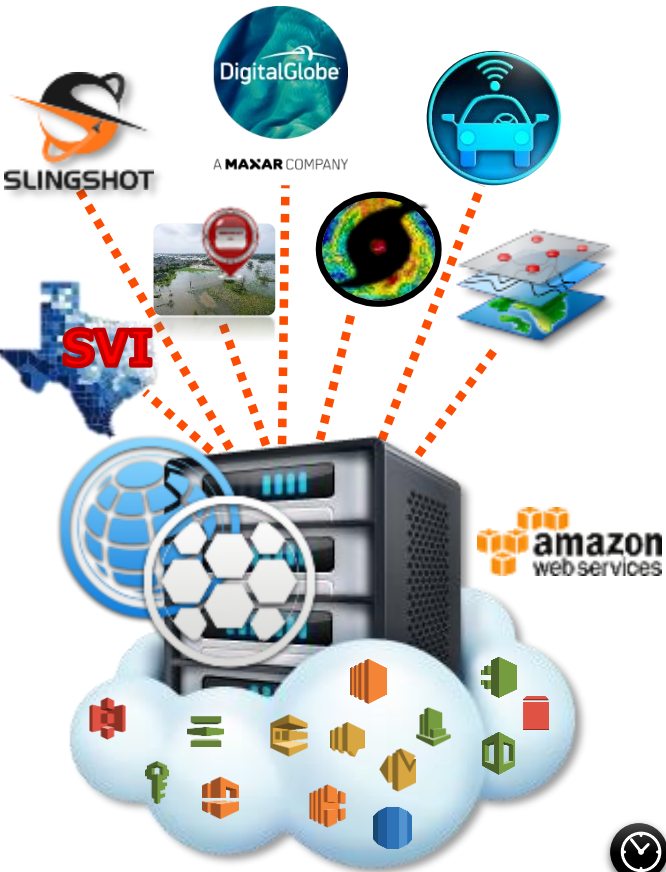
Day 4-5



GXP solutions for disaster response Hurricane Harvey (August, 2017)

Collect data

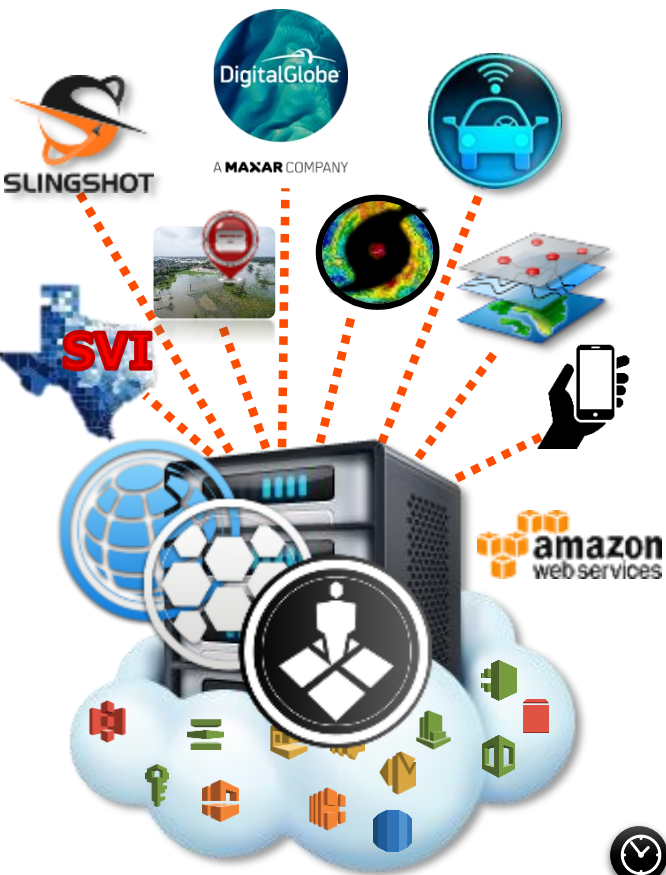
- City and county GIS data
- Live weather data
- Social Vulnerability Index
- Emergency Response Imagery
- Crowd sourced incident data
- Analytic overlays



Day 4-5

GXP solutions for disaster response Hurricane Harvey (August, 2017)

Deploy GXP OnScene



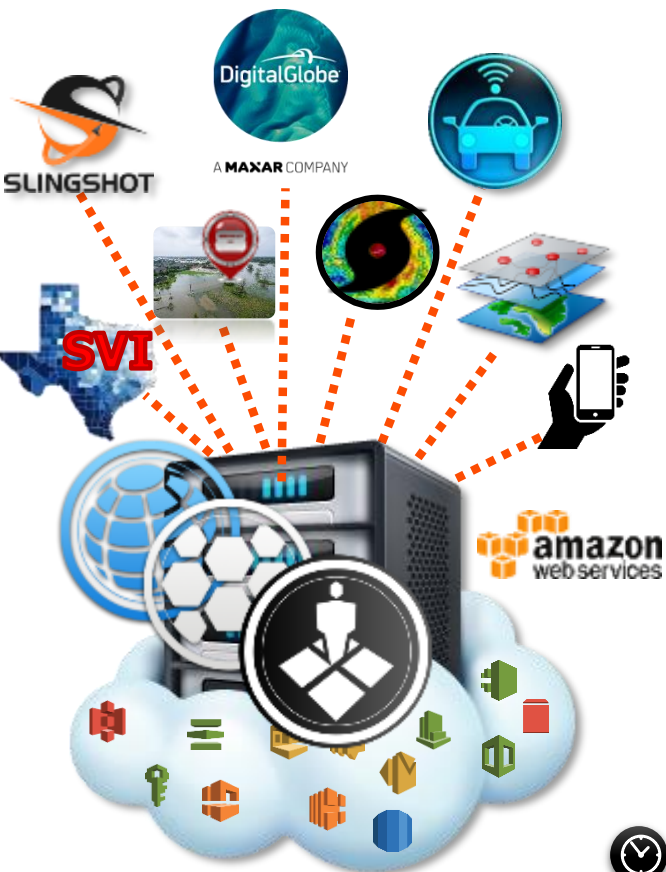
Day 6



GXP solutions for disaster response Hurricane Harvey (August, 2017)

Situational Awareness

- Route analysis
- Virtual wall map
- Dry parking lots
- Site analysis



Day 7-8



Beyond Harvey GXP Integrated Solutions

Practical applications of tailored, focused analytics to accelerate decision making, optimize resource allocation and improve collaboration



Streamlined geospatial visualization training for situational awareness to augment planning

45 Team Rubicon members trained
12 Operations supported



Tailored analytics easily accessible and visible within the GXP cloud-hosted solution

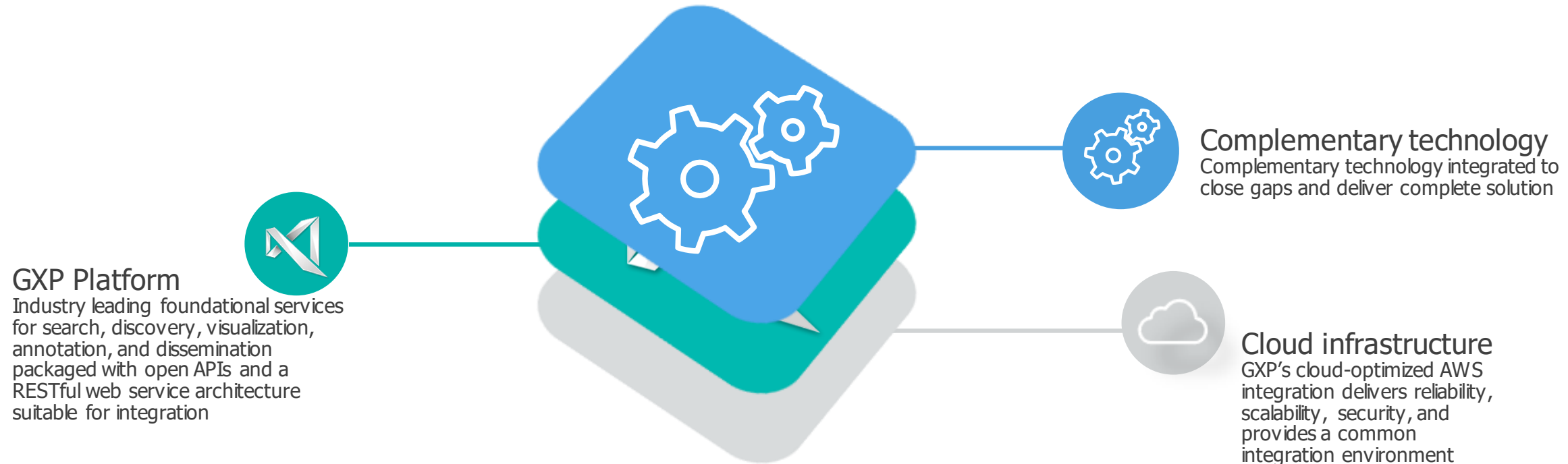
Assembling an integrated solution



Assembling an integrated solution ...2



Assembling an integrated solution ...3



Assembling an integrated solution ...4

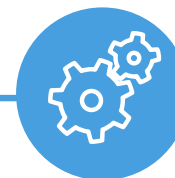


Assembling an integrated solution ...5

Tailored
 Products, interfaces, tools,
 button-ology, and appropriate
 form factors appropriate for
 users



Complementary technology
 Complementary technology integrated to
 close gaps and deliver complete solution



GXP Platform
 Industry leading foundational services
 for search, discovery, visualization,
 annotation, and dissemination
 packaged with open APIs and a
 RESTful web service architecture
 suitable for integration



Cloud infrastructure
 GXP's cloud-optimized AWS
 integration delivers reliability,
 scalability, security, and
 provides a common
 integration environment



Hosted
 GXP deploys, manages,
 and supports the solution
 using DevOps principles to
 provide superior level of
 service



Disaster response scenario: is this neighborhood accessible? GXP and Harris: identifying flooded areas and roads





Coordinates Center Map To...



Search By



Search Results



Saved Searches



Catalogs



Layers



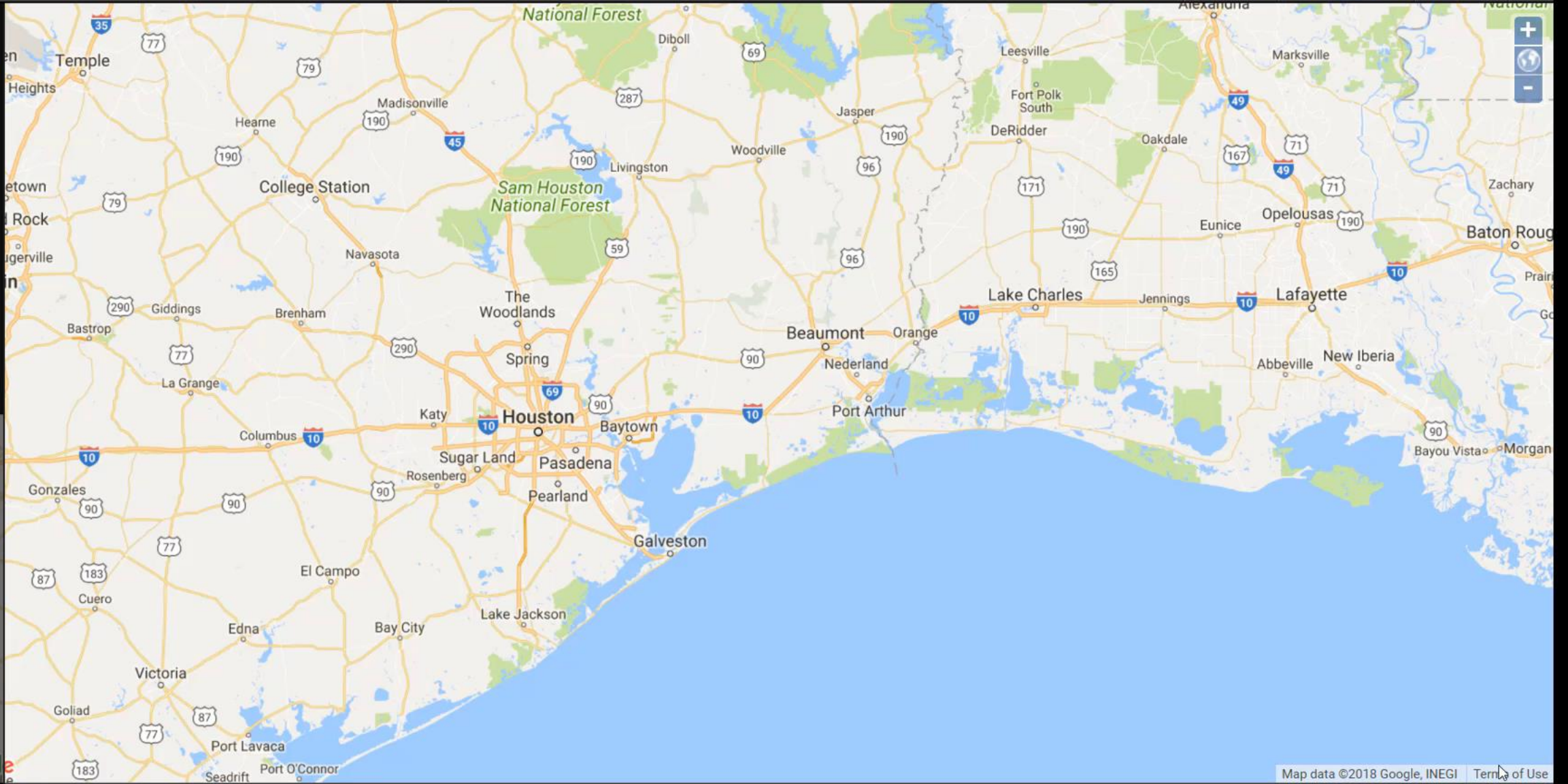
Layers



Layers



Layers



Data provider acknowledgement

BAE Systems would like to thank the following organizations for providing data for creation of this presentation:

- DigitalGlobe: WorldView-1, WorldView-2, and QuickBird
- Datacapable social media derived insights
- Planet Labs
- Google Maps™