



Save Cities







AgricultureIntelligent agriculture solutions



Manufacturing Intelligence Sensing and manufacturing solutions



Solutions for design, construction and operation of industrial projects



GeospatialGeospatial data management solutions



MiningIntegrated solutions for safer, more productive mines



Safety & Infrastructure
Applications for government, public safety, utilities and transportation



GeosystemsReality-capture solutions



Positioning Intelligence
Satellite positioning and correction
solutions for land, sea and air



Featured Technologies
Innovative technologies & solutions for progress und problem solving



Autonomous Driving

- EMIL Research Project in Regensburg
 - Autonomous driving in urban areas
 Laser scanner and GNSS antenna
 - 1300 journeys in 90 days 10 terabyte of data
 - Centimeter precision



Hexagon PIM7500

- GNSS 3D-Positioning'
- Inertial measuring
- Centimeter precision





Autonomous Driving – a successful test project of Hexagon, Deutsche Telekom, Fraunhofer ESK and Nokia on the digital test track A9

- Joining the technologies enable the positioning of vehicles with centimeter precision
- Using the precise location service HxGN SmartNet, regional corrections were directly delivered to the vehicle's Global Navigation Satellite System (GNSS) receiver in the vehicle.





Infrastructure

Service Infrastructure for Monitoring Ground Surfaces and Infrastructures

- Underground motions or shifts caused by stress can cause
 - Damage to the infrastructure
 - Massive interruption of operations

Significant risk to life, property and economy









Service Infrastructure Architecture

All sensors data sources







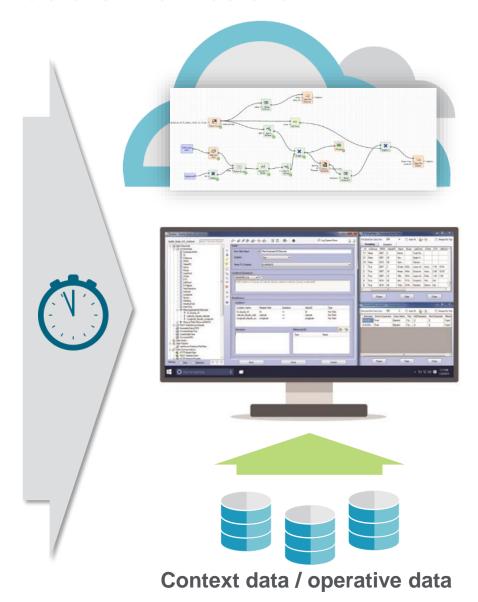












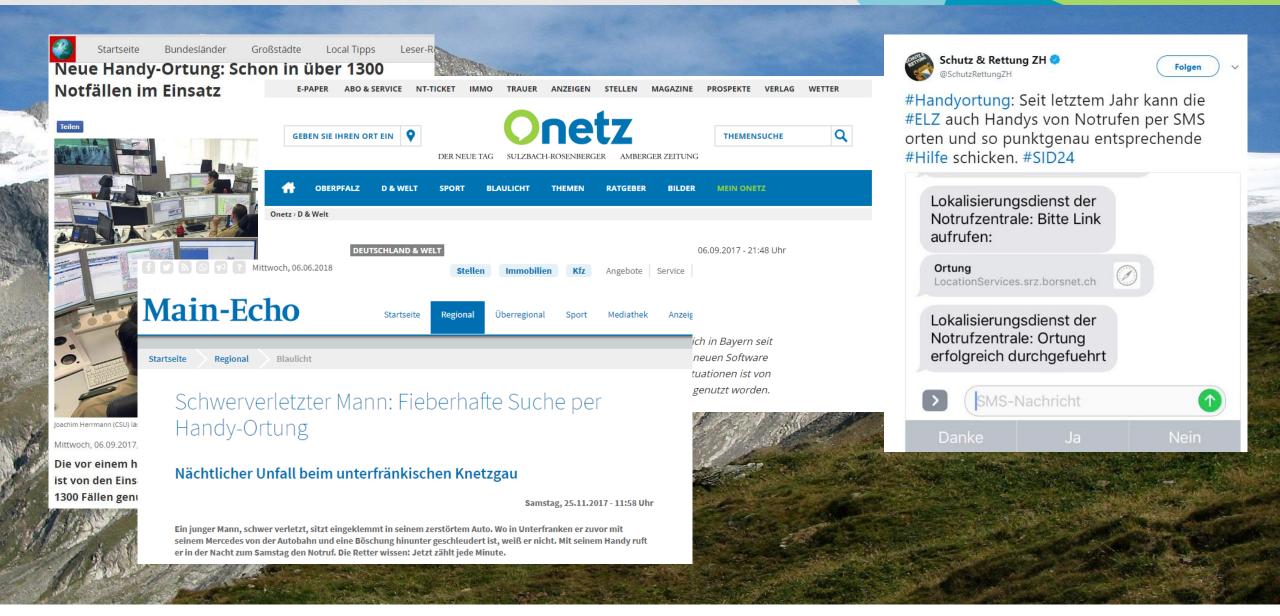
Decision support in M.App Zone



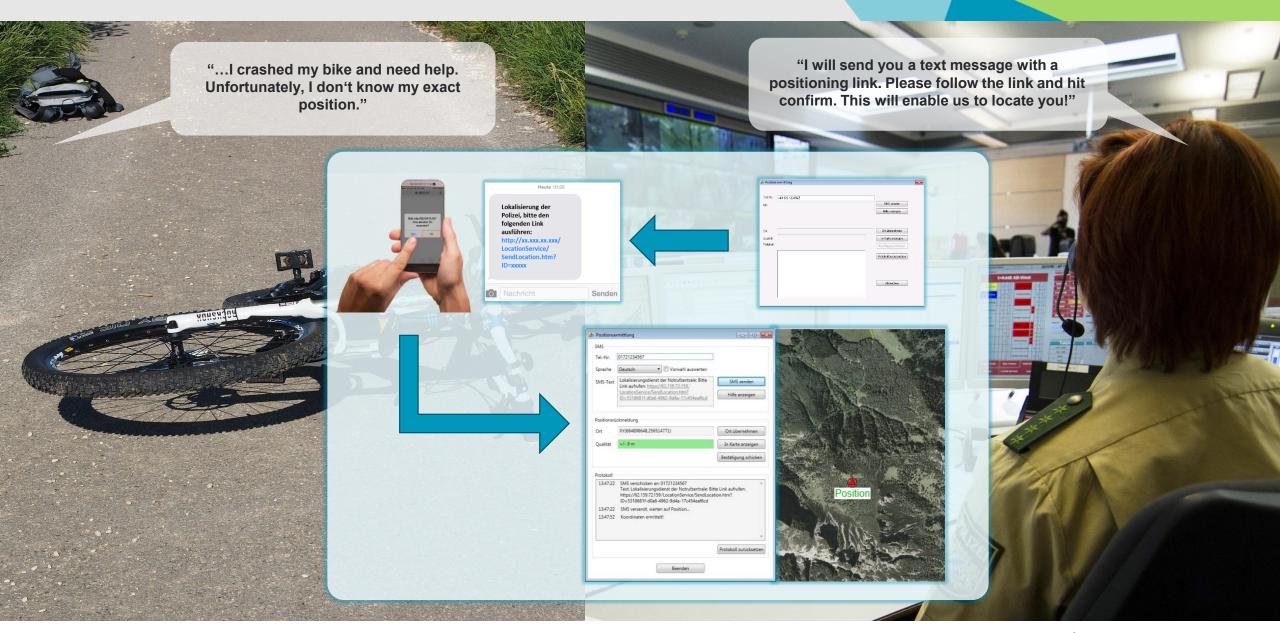




Cellphone Positioning

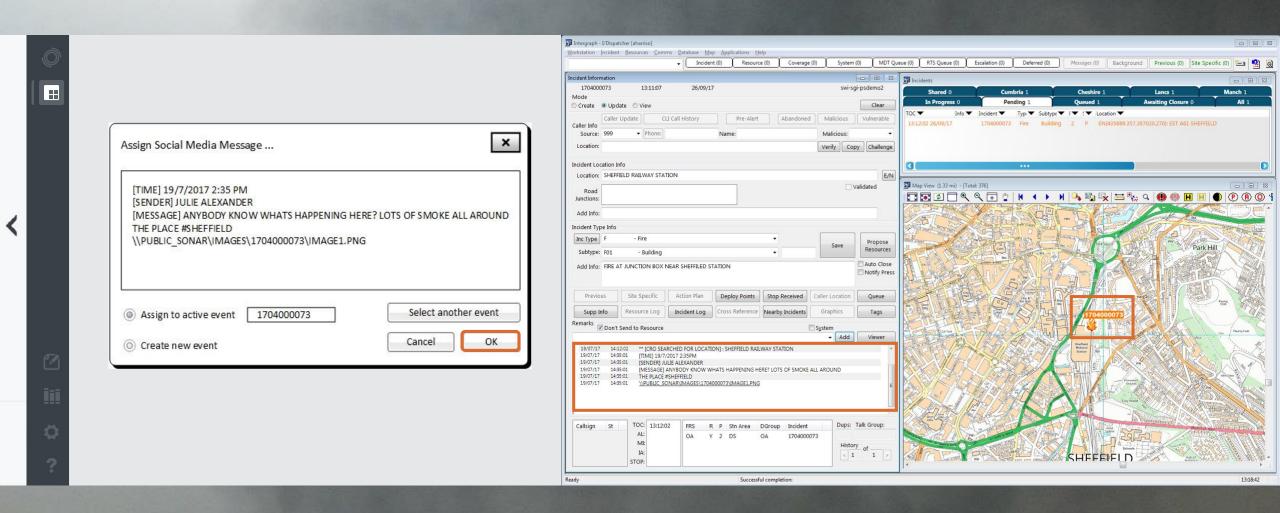








Social Media





Activity Tracker

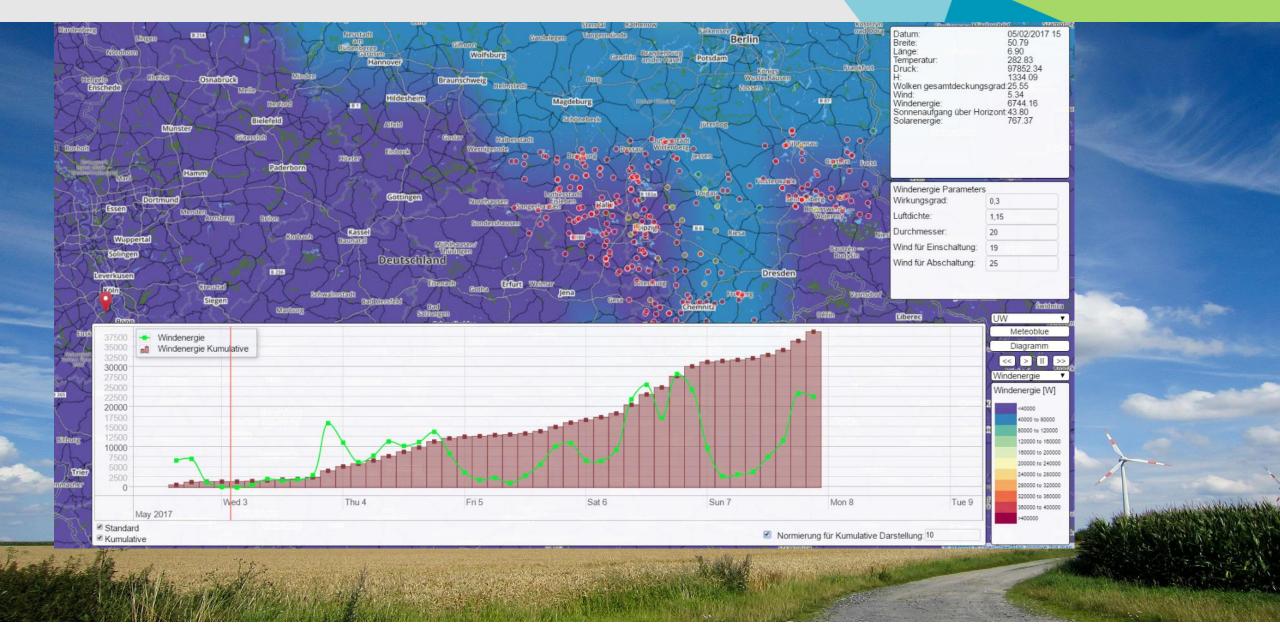




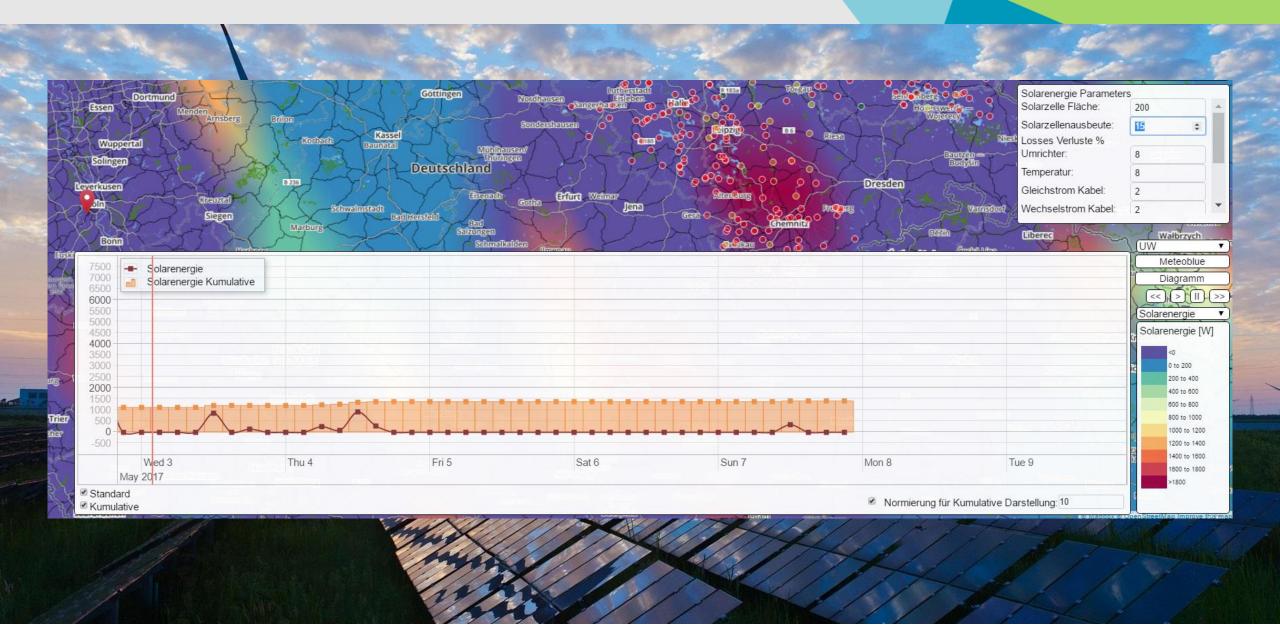




Analyses









Conclusion

Smart City Monitoring and Control





Xalt Technologies

Applied Capabilities

Autonomous Connected Ecosystem

Artificial Intelligence

Laser

Data science

Augmented Reality

Multi-physics

Deep learning

Innovation Hub

Reality computing

Video analytics

Mathematical modelling

Optics

Imaging

Intergraph NetWorks®

Intergraph G!NIUS®

Intergraph G/Technology® MobileViewer

Intergraph® Planning & Response

Intergraph OnCALL®

Safety & Infrastructure

EGIS

GEOS Pro

M.App Zone

GeoTrAMS®

Basismodul Web-GIS

Intergraph Mobile Responder®

SMART Farms & Mines

SMART Construction Sites & Plants

SAFE Cities

SMART Cities

SMART Autonomous Fleets





Intergraph was ok, but Hexagon – that's really something!"

Ludmiła Pietrzak
 Hexagon customer



Copyright

This document may contain confidential and proprietorial information of Hexagon Safety & Infrastructure, HxGN Safety & Infrastructure or Intergraph, their subsidiaries and/or third parties, which is protected by copyright laws, trade secrets, brands, international contracts or other applicable laws and which must not be distributed, sold, used, modified or otherwise made available without proper written approval by Hexagon Safety & Infrastructure, HxGN Safety & Infrastructure or Intergraph.

Any use of all devices, services and/or software and all conditions regulating such use are outlined in the product documentation, contracts and/or license(s) as provided with the software or the services of Hexagon Safety & Infrastructure, HxGN Safety & Infrastructure or Intergraph, and the content included in this document must not be interpreted to constitute or imply any change to this stipulation. The entire content and all materials contained therein are provided as is and without assuming any warranty or guarantee, including, but not limited to warranties pertaining to usability, suitability for a specific purpose or legal soundness. Under no circumstance is Hexagon Safety & Infrastructure, HxGN Safety & Infrastructure or Intergraph liable for any damage caused by or associated with downloading, viewing, using, copying, multiplying or publishing of any content or materials published by Intergraph, including, but not limited to all direct, indirect, accidental, special damages, claims for damages or subsequent damages or loss of or damage to data.

Hexagon Safety & Infrastructure, HxGN Safety & Infrastructure and/or Intergraph may improve and/or modify all products and/or programs described in this document at any time without prior notice. Intergraph assumes all information contained in this publication to be correct as of the time of publication.

©2018 Intergraph Corporation d/b/a Hexagon Safety & Infrastructure. Hexagon Safety & Infrastructure is part of Hexagon. All rights reserved. HxGN, Hexagon Safety & Infrastructure and the Hexagon Safety & Infrastructure logo are protected trademarks of Hexagon or its subsidiaries in the USA or other countries.

