



LAURI HARTIKAINEN
CO-FOUNDER & CEO

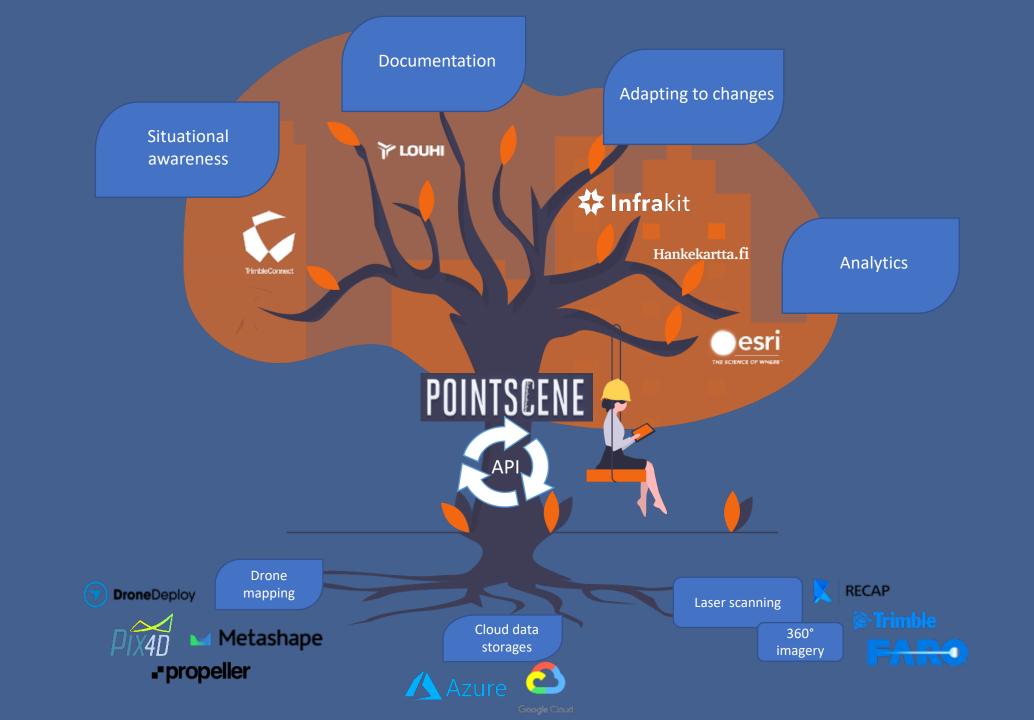
# POINTSCENE

10+ years experience from technical and commercial roles working in digitalization of built environment.

Lauri holds a Master's degree in Geomatics from Helsinki University of Technology specializing in photogrammetry & multimedia technologies.

A drone, laser scanning & customer experience enthousiast with a vast knowledge on geospatial data collection, analysis & interpretation, and geographic information systems.

Co-founder of Pointscene.com, a cloud solution improving situational awareness in construction sites with connected reality maps.



#### TRUSTED BY

























#### **USES OF CONNECTED REALITY DATA**

COMMUNICATION

WORK ORDERING AND PLANNING

RISK ASSESSMENT AND PREPARATION

VOLUME CALCULATIONS AND

MATERIAL LOGISTICS

**SUPERVISION** 

**EMPLOYEE ONBOARDING** 

QUALITY CONTROL

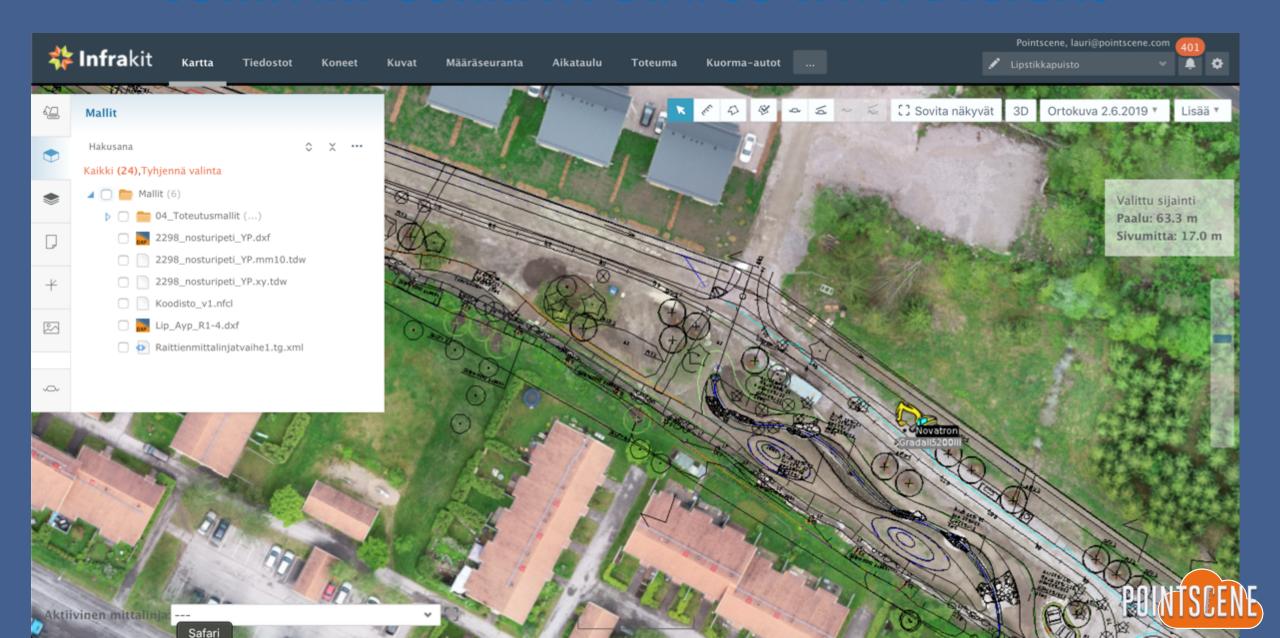
**QUALITY ASSURANCE** 

PROGRESS MONITORING AND DOCUMENTATION

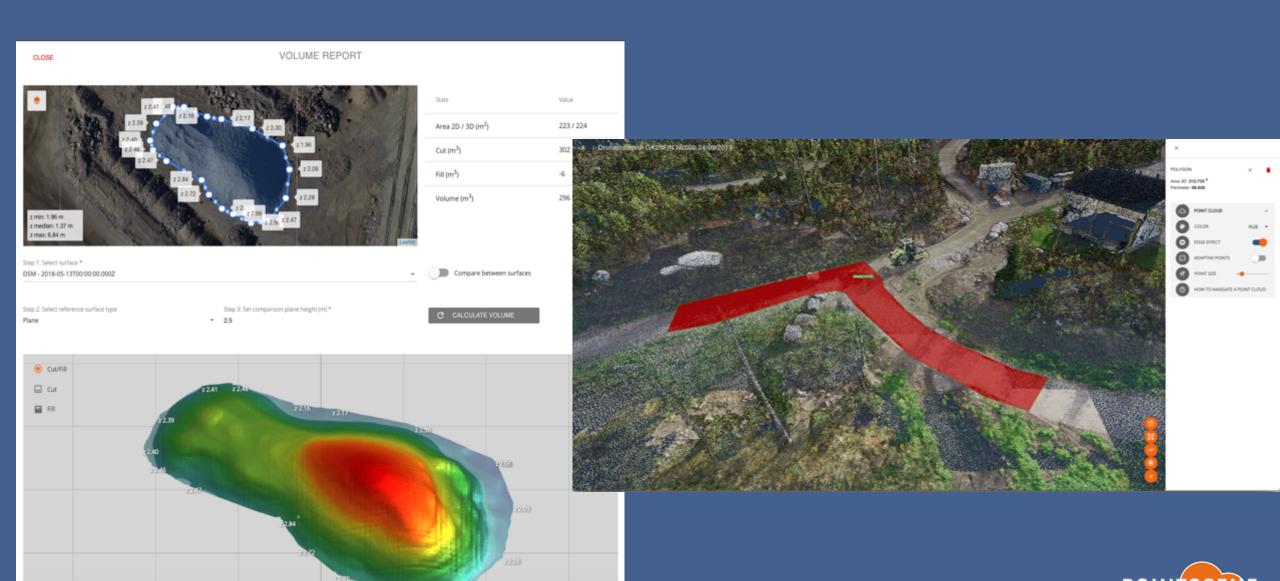
**TRANSPARENCY** 

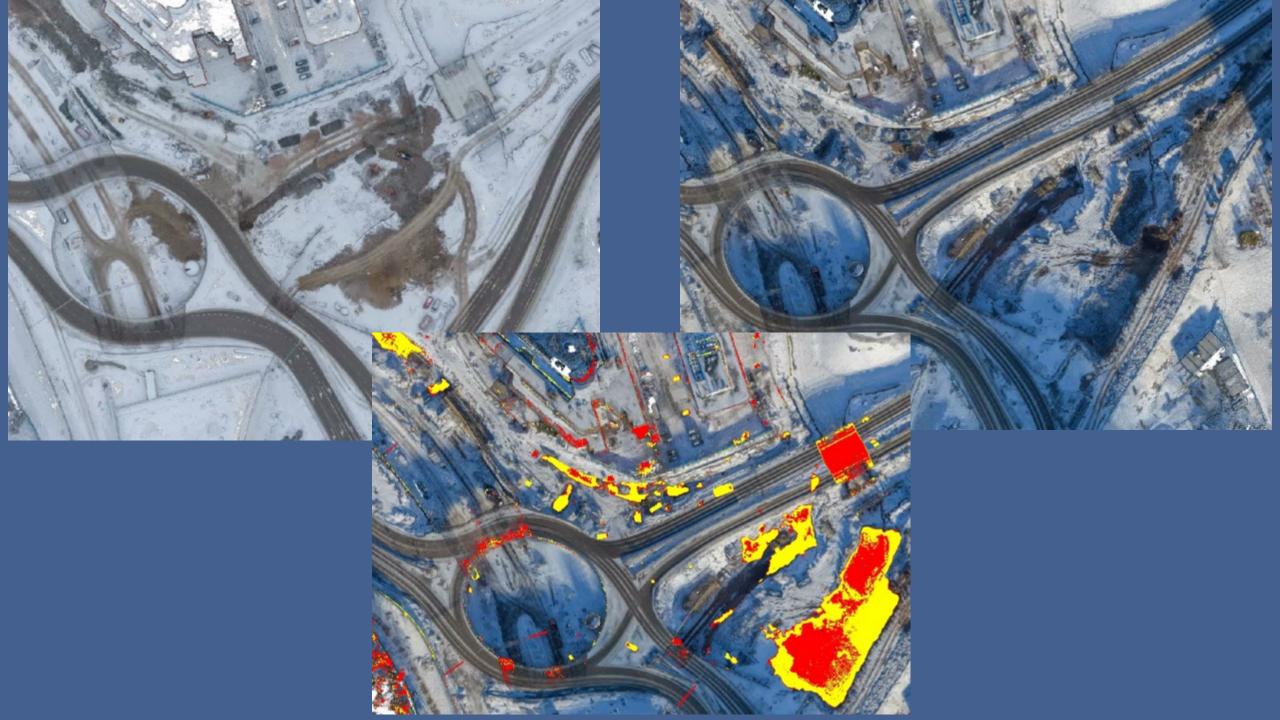


# COMPARE CURRENT STATUS WITH DESIGNS



# CALCULATE VOLUMES AND MEASURE





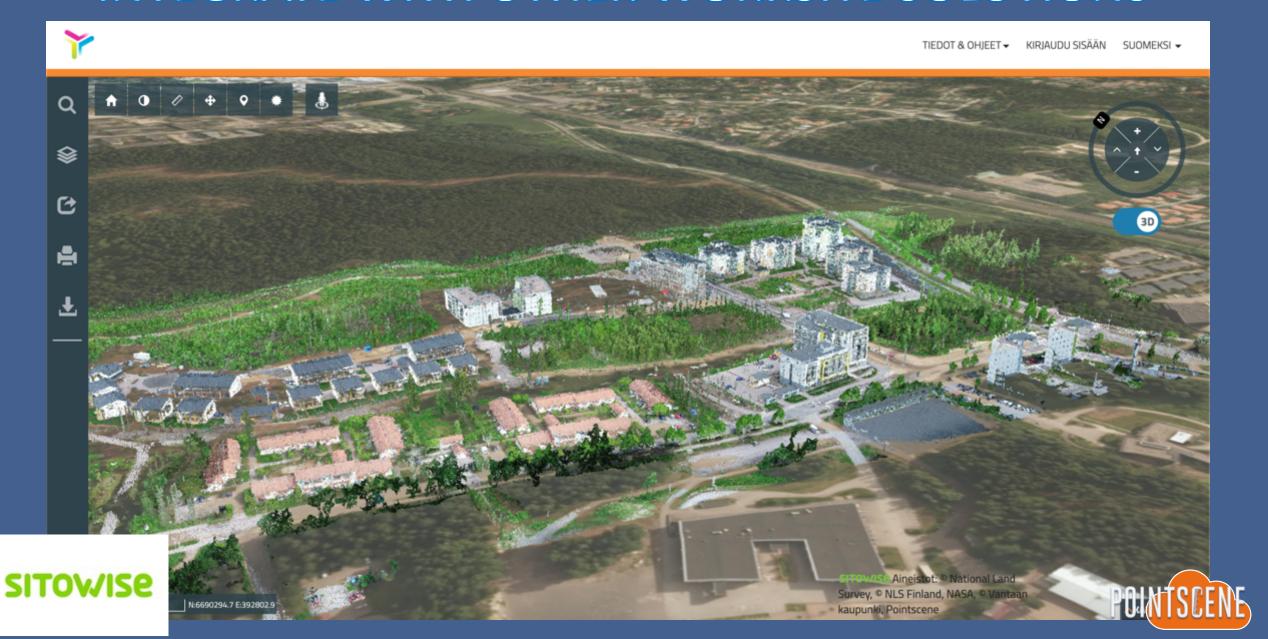
### INTEGRATE WITH OTHER WORKSITE SOLUTIONS



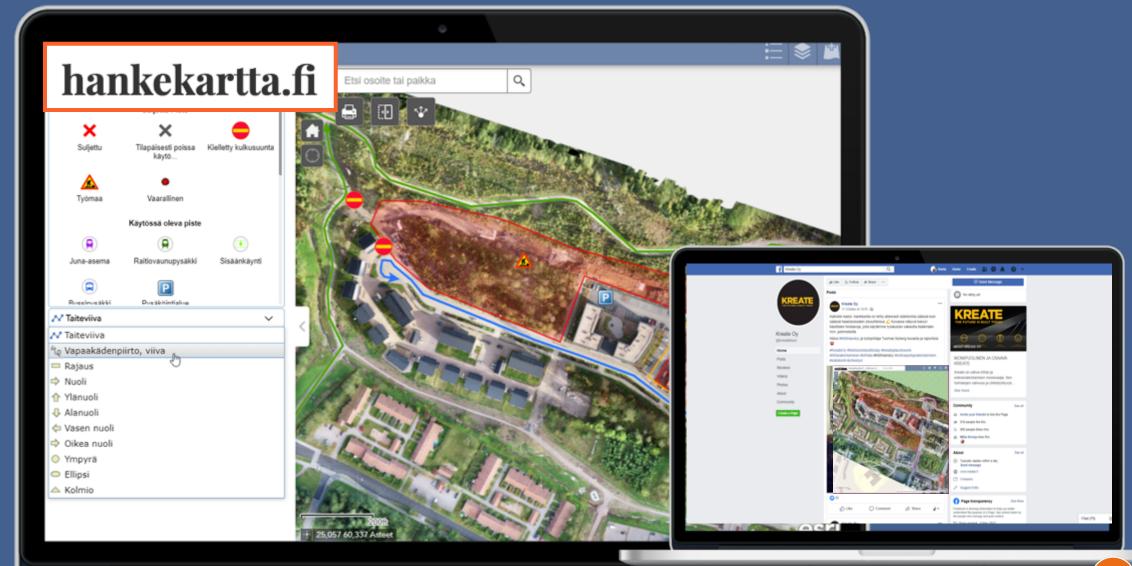
# INTEGRATE WITH OTHER WORKSITE SOLUTIONS



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### COMMUNICATE WITH ALL STAKEHOLDERS







# RAIDEJOKERI LIGHT RAIL (FINLAND)



25KM LENGTH / 6 WORKING BLOCKS

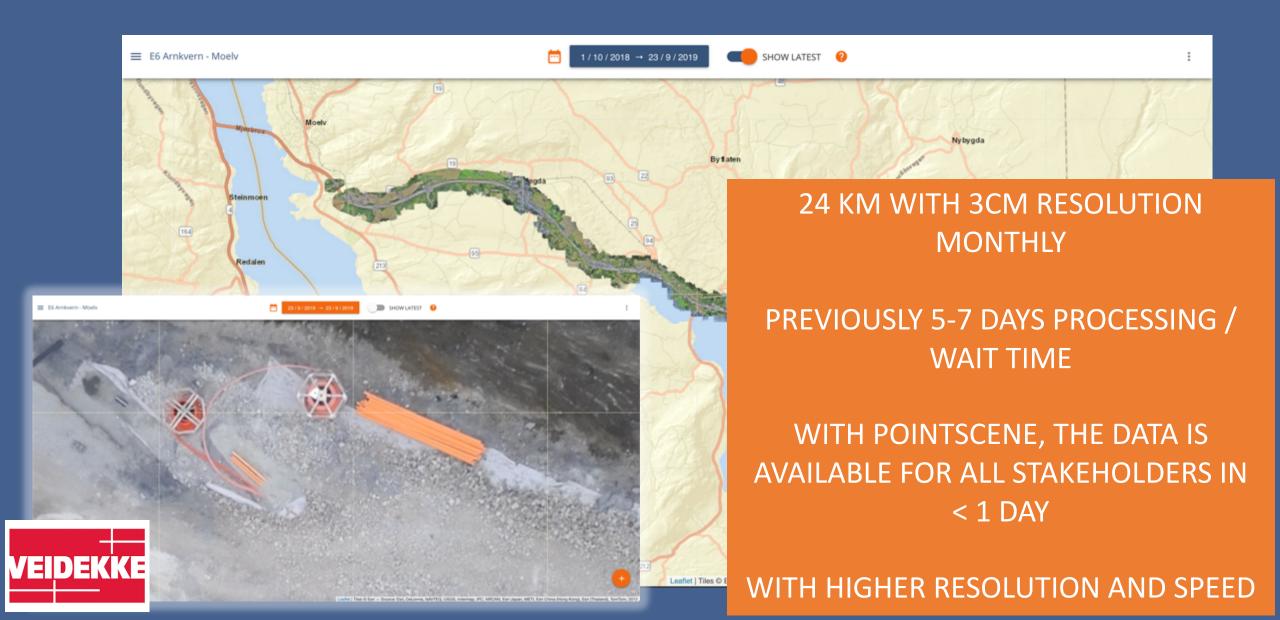
49 FLIGHT BLOCKS

DAILY DRONE OPERATIONS

HUGE AMOUNT OF DRONE DATA AND FILES

POINTSCENE CONNECTION WITH SITOWISE LOUHI & INFRAKIT

# E6 ARNKVERN – MOELV HIGHWAY (NORWAY)





# KEHÄ I - RING ROAD / KEILANIEMI

INFRA: Design & Build - contract

**TUNNEL: Project Management Agreement** 

VALUE: Total 100 MEur

PROJECT OWNER: City of Espoo PRIME CONTRACTOR: SRV Infra

DESIGN: Sweco + City of Espoo designers

STAKEHOLDERS: Transport agency, regional ELY centers, city

**COMPLEX TECHNICAL SYSTEMS** 

MOVING OF UTILITY NETWORK IN MULTIPLE PHASES

**COMPLEX TRAFFIC ARRANGEMENTS** 

COOPERATION WITH OTHER PROJECTS IN THE AREA

WORK JOINTS TOWARDS NEIGHBORING PROJECTS



## CASE KEILANIEMI SRV

#### **CHALLENGE:**

Managing the project in an active "highway" location (35 000 vehicles / day), all construction site logistics, temporary traffic arrangements, as built documentation and validation.

#### **SOLUTION:**

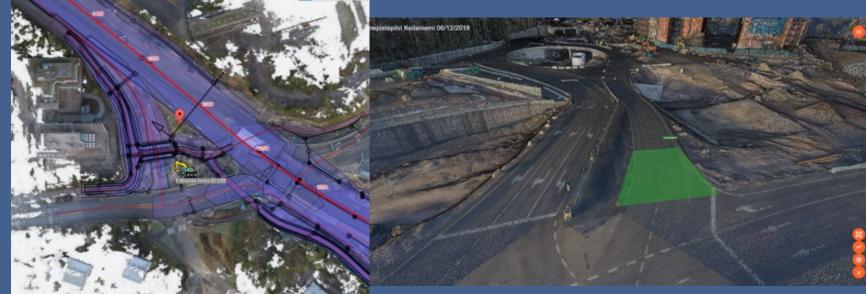
Monthly drone mapping and accurate photogrammetric 3D modeling for the whole site. Data management and access in online 2D/3D/360° environments.

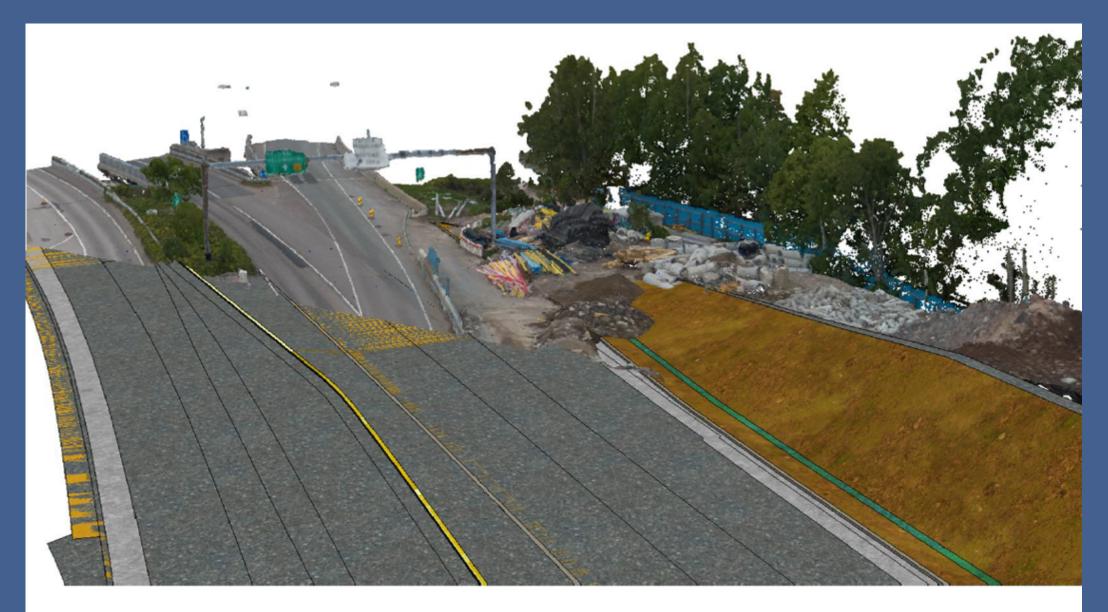
# CASE KEILANIEMI SRV

**MAIN BENEFITS:** Real-time understanding on site status and its progress. Validating information and getting up-to-date measures for design. Faster re-routing plans. Volumetric analysis. Updating initial designs with accurate status maps.

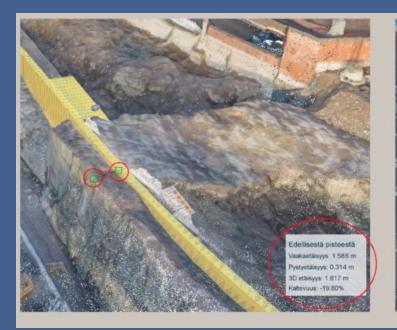
**ADDITIONAL:** Improved work area reservations for equipment and tasks. Data suitable for ramp and support wall design. Data used for employee onboarding. Improved data reach.



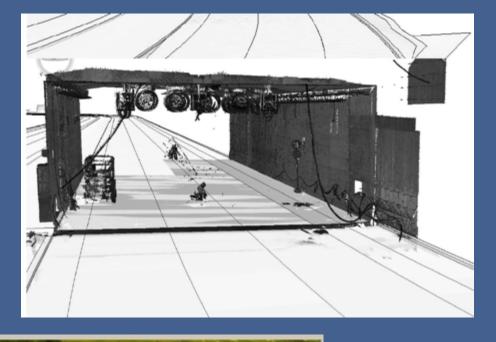
















## **BENEFITS GAINED**

REDUCED NEED FOR FIELD VISITS

IMPROVED COMMUNICATION
BETWEEN STAKEHOLDERS

IMPROVED PLANNING OF ACTIONS
AND SCHEDULES

LESS SURVEY WORK ORDERS





## **BENEFITS GAINED**

FASTER DESIGN OF TRAFFIC ARRANGEMENTS

STREAMLINED WORK IN PROJECT JOINTS

EFFICIENT PUBLIC RELATIONS AND EXTERNAL COMMUNICATION

DOCUMENTATION FOR INSURANCE AND LITIGATION PURPOSES





