



**FR+DE Call for projects
AI for risks prevention, crisis
management and resilience**

Confidential – do not share

RenovAIt

Boosting renovation industry with AI

RenovAlte is supported by Germany & France

« AI for risks prevention, crisis management and resilience »



Bundesministerium
für Wirtschaft
und Energie



MINISTÈRE
DE L'ÉCONOMIE,
DES FINANCES
ET DE LA RELANCE

*Liberté
Égalité
Fraternité*



DLR Projektträger

bpifrance

Project RenovAite gathers a FR+DE consortium to boost renovation industry



LEONARD
together @ VINCI



Civil works
expertise



ActionLogement 

Public asset
management
expertise




OFFIS

AI Research



ALEIA

Fast track to AI

Cloud, data & AI
expertise



VIA IMC 

Digital innovation
for road
infrastructure

RenovAite

Building skills and experience on using AI for heavy infrastructure renovation
Delivering applicable software and results for every player in the ecosystem



*Environmental impact : boosting energy
renovation & reducing renovation resources
consumption*



*Economical impact : better asset management &
reducing renovation costs*

AI at the core of the project



LIDAR data
segmentation and
computer vision



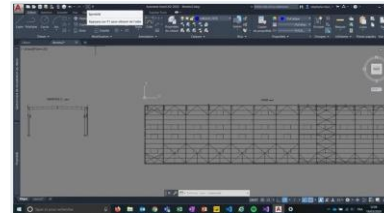
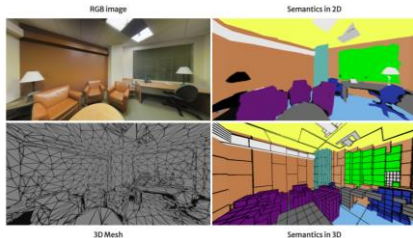
Classification and
scoring algorithms



Reinforcement learning
for designs optimization



Adversarial
Resilience Learning



Developing a chain of interoperable AI software

Public & private owners need resources saving and resilient plans

Design offices and project managers need data and tools to assess and frame environmental impact

Construction companies need software to optimize designs both economically and environmentally speaking

Asset management software

Data acquisition & performance assessment software

Designs optimization software



ActionLogement 



ActionLogement 

RESALLIANCE
by  sixsense



Renovation data aggregation portal

ALEIA
Fast track to AI

Targeted impact : competitiveness, environmental savings and resilience

Costs



Projects' financing :
staff, data acquisition



Equipment for data collection : hardware



Data storage and computing




Consortium staff travelling

Direct gains

1m housing lots 

70000km of roads 

4000 building design offices 



Energy savings
(housing heating,
driving on neat roads)

Ex: 0,02% of FR by 2030



Materials impact and workforce savings
(designs)



Resilient projects
(housing renovation,
road durability)



Less data acquisition costs (less inspection required)

Indirect gains



Social impact : data,
household savings



Heavy infra circular economy digitalization



Faster administrative and design processes



Competitiveness :
European leadership, civil works market transformation

Project contacts & management

Consortium leaders



Quentin Panissod

AI Lead – Leonard



Antoine Couret

President – ALEIA



Dr. Delphine Sangodeyi

Urban Renewal Director –
Action Logement Services



Dr.-Ing. Eric Weith

Manager Competence Cluster
Applied AI – OFFIS
R+D Group Manager Power
Systems Intelligence



Dirk Ebersbach

Managing Director
– VIA IMC

