



Innovative technologies to optimise and decarbonise tomorrow's mobility

HEC
PARIS

INCUBATEUR

MOOVE LAB
Accélérateur de projets
Mobilians x VIA ID



LEONARD
together @ VINCI

INSTITUT
VEDECOM



A paradigm shift | A crucial step for decision makers



30%

CO₂ EMISSIONS



3 %
GDP

YEARLY LOSSES*



DECISION-MAKERS

Need to make well-informed
fact-based decisions.



8bn€

INVESTMENT





A limited and difficult knowledge of mobility flows



DECISION-MAKERS

LOCAL GOVERNMENTS
URBAN DEVELOPERS
TRANSPORT OPERATORS

DATA
COLLECTORS

SENSOR
MANUFACTURERS

ENGINEERING
AGENCIES

CONSULTANTS

HOW TO MANAGE COMPLEXITY?

- LIMITED GRASP ON CORE TECHNOLOGIES
- PARTIAL AND OR OUTDATED DATA
- MULTIPLICATION OF COSTS. INEFFICIENCY
- UNSATISFACTORY RESULTS



Floware | An integrated solution to cover the whole data value chain

DATA PRODUCTION



DATA ANALYSIS



DECISION ASSISTANCE

Floware Vision



- OUR OWN IOT SENSORS
- OUR EDGE AI EMBEDDED SOFTWARE
- ADAPTABLE TO EXISTING EQUIPMENT



Floware Core



- USE-CASE-ORIENTED CLOUD AI SERVICES
- DATA AGGREGATION AND ANALYSIS
- SIMPLIFIED MODELS AND SIMULATION



Floware Autopilot



- LLM-BASED AI ASSISTANT
- INTERACTIVE DIGITAL TWIN
- SIMPLE AND DYNAMIC INTERFACE



DASHBOARDS
USE-CASE OPTIMISED
EASILY CUSTOMISED



Example

FLOW SPATIALISATION

IDENTIFYING ACTUAL USED PATHS
PATHS AND BEHAVIOURS



URBAN AND CONSTRUCTION SITE LOGISTICS

CUSTOMERS

- CONSTRUCTION COMPANIES
- PUBLIC WORKS COMPANIES
- LOGISTICS OPERATORS: STORAGE AND DISTRIBUTION

OUR COMPETITIVE ADVANTAGES

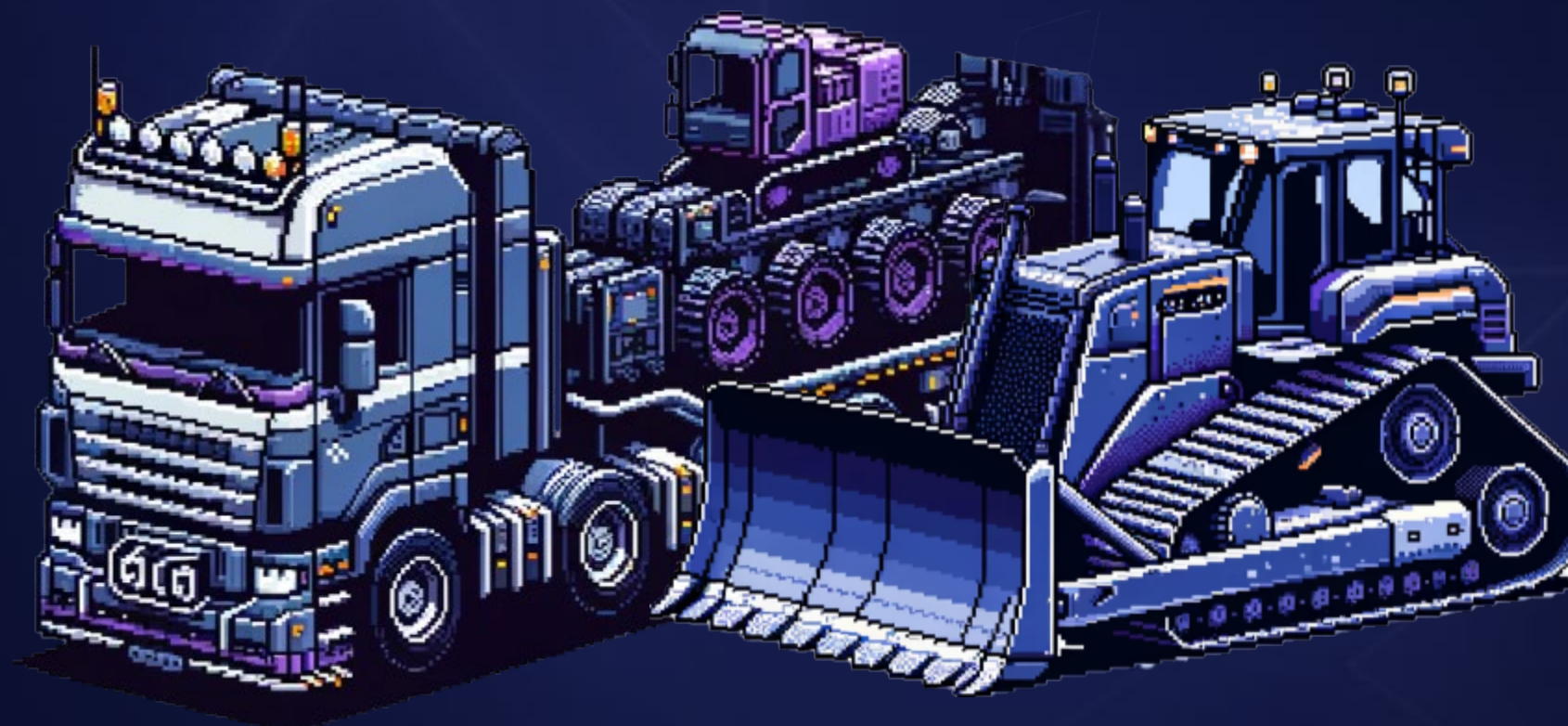
- 1.5M TRUCK IMAGE DATASET
- HIGHLY RELIABLE COMPUTER VISION MODEL

APPLICATIONS

- OPTIMISATION AND ACCEPTABILITY OF URBAN AND URBAN AND SITE LOGISTICS
- SETTING UP WORKSITE BASES
- MONITORING LOGISTICS FLEETS

1M IMAGE TRAINING DATASET
BUILT IN COOPERATION WITH

PARIS-SACLAY



SMART PARKING

CUSTOMERS

- LOCAL AUTHORITIES
- DEVELOPERS
- SOLUTION INTEGRATORS
- PARKING POOLING MARKET

OUR COMPETITIVE ADVANTAGES

- USE-CASE ORIENTED DATA ANALYSIS PLATFORM (SAAS)
- EASILY DEPLOYABLE AND ADAPTABLE SENSORS

APPLICATIONS

- DYNAMIC ANALYSIS OF OCCUPANCY METRICS METRICS
- CAPACITY USAGE ANALYSIS FOR PARKING POOLING IMPLEMENTATION

TRUSTED BY

EpaMarne
l'âme dans l'aménagement



AIR QUALITY IMPROVEMENT

CUSTOMERS

- STATES
- LOCAL AUTHORITIES
- 42 FRENCH CITIES LOW EMISSION ZONES

OUR COMPETITIVE ADVANTAGES

- PARTNERSHIP WITH ECOMESURE FOR A COMMON HYPERVISOR (MOBILITY+AIR QUALITY)
- ONGOING POC AT NOISY-LE-GRAND
- FIRST OFFER OF THIS KIND IN THE MARKET

APPLICATIONS

- REDUCING TRAFFIC IN CITY CENTERS AND IMPROVING AIR QUALITY
- LEZ (LOW-EMISSION ZONES)
- PEDESTRIANIZATION AND TRAFFIC CALMING

PARTNERSHIP WITH



EV CHARGING INFRASTRUCTURE LOCATION

CUSTOMERS

- ENERGY OPERATORS (EDF, VINCI, TOTAL, ETC.)

OUR COMPETITIVE ADVANTAGES

- ENERGY POC BEING DESIGNED WITH EDF
- ABILITY TO RECOGNISE A LARGE NUMBER OF VEHICLES, INCLUDING LCVS AND OTHER URBAN LOGISTICS VEHICLES.
- FUTURE MODEL TO IDENTIFY EV VS. ICE

APPLICATIONS

- LOCATION OPTIMIZATION OF EV CHARGING STATIONS FOR A VIABLE BUSINESS MODEL
- ARBITRATION BETWEEN PRIVATE AND PUBLIC ACTORS FOR JOINT DEPLOYMENTS

POC BEING PREPARED WITH



