

LEONARD

AI  
DAYS

together @ VINCI 

LEONARD

AI FOR ANALYSIS

# ARIA

Technology /  
Large  
Language  
Models

AI assistant for faster and  
better legal reviews.

Entity /  
VINCI  
Construction

Systèmes d'Information  
Direction des Applications France

together @ VINCI 

LEONARD

AI FOR ANALYSIS

# Select

Technology /  
Large  
Language  
Models

Your tenders, analyzed,  
automatically.

Entity /  
VINCI  
Construction

Routes de France

together @ VINCI 

LEONARD

AI FOR ANALYSIS

# ScalarAI

Technology /  
Large  
Language  
Models

AI-powered document  
manager.

Entity /  
VINCI  
Energies

Omexom

together @ VINCI 

LEONARD

AI FOR ANALYSIS

# Auto-ITP

Technology /  
Large  
Language  
Models

AI-assistant for inspection and  
test planning.

Entity /  
VINCI  
Construction

Taylor Woodrow

together @ VINCI 

LEONARD

AI FOR ANALYSIS

# BidTailor

Technology /  
Large  
Language  
Models

Delivering bids faster and  
better.

Entity /  
VINCI  
Construction

UK

together @ VINCI 

LEONARD

AI FOR ANALYSIS

# CLARA

Technology /  
Large  
Language  
Models

Contractual and legal  
automatic review analysis.

Entity /  
VINCI  
Construction

Grands Projets

together @ VINCI 

LEONARD

AI FOR ANALYSIS

# Nakina

Technology /  
Large  
Language  
Models

Automating identification and  
qualification of leads for  
construction tenders.

Entity /  
VINCI  
Construction

Menard

together @ VINCI 



LEONARD

AI FOR ANALYSIS

# IntellIA

Technology /  
Large  
Language  
Models

From report to quote in no  
time.

Entity /  
VINCI  
Energies

VINCI  
Facilities

together @ VINCI 

LEONARD

AI FOR ANALYSIS

# Chatbot multi-domaines

Technology /  
Natural  
Language  
Processing

A Chatbot that facilitates  
knowledge sharing and  
collaborative efficiency in our  
business lines.

Entity /  
VINCI  
Construction

Route France

together @ VINCI 

LEONARD

AI FOR ANALYSIS

# Intelligent Customer Service

Technology /  
Natural  
Language  
Processing  
LLMs

ICS leverages AI and Generative AI to enhance customer service by streamlining workflows, offering real-time contextual assistance, automating tasks, and enabling conversational AI.

Entity /  
VINCI  
Energies

Tax&Customs BU,  
AXIANS DC Portugal

together @ VINCI 

LEONARD

AI FOR ANALYSIS

# DERA

Technology /  
Large  
Language  
Models

A solution to automate and streamline bureaucratic processes, enhancing document management efficiency while significantly reducing costs.

Entity /  
VINCI  
Energies

Axians Digital  
Consulting, Portugal

together @ VINCI 

LEONARD

AI FOR ANALYSIS

# Smart Data Hub : A data-driven approach - Gen AI

Technology /  
Constrained  
Optimization  
Statistical  
Learning  
Large Language  
Models

Fosters GenAI applications to  
optimize data analysis (legal,  
development).

Entity /  
VINCI  
Concessions

VINCI  
Airports

together @ VINCI 

LEONARD

AI FOR ANALYSIS

# Smart Data Hub : A data-driven approach - Machine Learning

Technology /  
Constrained  
Optimization

Statistical  
Learning

Large Language  
Models

Optimizes flow management,  
commercial and financial  
performance with Machine  
Learning.

Entity /

VINCI  
Concessions

VINCI  
Airports

together @ VINCI 

LEONARD

AI FOR ANALYSIS

# AI Chatbot & Virtual Agent

Technology /  
Natural  
Language  
Processing  
Large Language  
Models

Improve customer experience  
and operational efficiency  
with GenAI: discover VINCI  
Airports spotlight projects.

Entity /  
VINCI  
Concessions

VINCI  
Airports

together @ VINCI 

LEONARD

AI FOR ANALYSIS

# SARA

Technology /  
Natural  
Language  
Processing

LLMs

AI solution that helps project managers identify dealbreakers, complete the risk analysis file and assist with contract management.

Entity /  
VINCI  
Energies

Axians

together @ VINCI 



LEONARD

AI FOR ANALYSIS

# Ticketing Optimization System

Technology /  
Natural  
Language  
Processing

LLMs

An AI assistant integrated into the ITSM Remedy application to help technicians resolve issues submitted to technical support.

Entity /  
VINCI  
Energies

Axians Spain

together @ VINCI 

LEONARD

AI FOR DESIGN

# SprinklIA

Technology /  
Generative  
Design

Protecting lives and  
properties with AI.

Entity /  
VINCI  
Energies

Diane

together @ VINCI 

LEONARD

AI FOR DESIGN

# NEO Schedule

Technology /  
Generative  
Design

The right resources at the  
right place at the right time.

Entity /  
VINCI  
Energies

Axians NEO

together @ VINCI 

LEONARD

AI FOR DESIGN

# Calpia

Technology /  
Generative  
Design

Shine bright with EleclA's  
lighting layout.

Entity /  
VINCI  
Energies

Diane

together @ VINCI 

LEONARD

AI FOR DESIGN

# CVCIA

Technology /  
Generative  
Design

An heating, ventilation, and air  
conditioning (HVAC) layout so  
optimized it will blow mind.

Entity /  
VINCI  
Energies

Diane

together @ VINCI 

LEONARD

AI FOR DESIGN

# Formworks Rotation

Technology /  
Generative  
Design

Phasing formworks,  
streamlining construction.

Entity /  
VINCI  
Construction

ISC

together @ VINCI 

LEONARD

AI FOR DESIGN

# Nutriciel

Technology /  
Generative  
Design

Optimizing ramp-up and  
regulation of pellet mills.

Entity /  
VINCI  
Energies

Actemium Nantes  
Nutrition

together @ VINCI 

LEONARD

AI FOR DESIGN

# Telecom AI

Technology /  
Generative  
Design

Intelligent telecommunications  
intervention planning.

Entity /  
VINCI  
Energies

Axians Fibre  
Île-de-France

together @ VINCI 



LEONARD

AI FOR DESIGN

# Golden Batch

Technology /  
**Generative  
Design**

**Optimizing industry.**

Entity /  
**VINCI  
Energies**

Actemium Lyon  
Process Automation

together @ VINCI 

LEONARD

AI FOR DESIGN

# PullAI

Technology /  
Generative  
Design

Estimating cable traction  
effort to optimize layout.

Entity /  
VINCI  
Energies

Omexom

together @ VINCI 

LEONARD

AI FOR DESIGN

# Substratum AI

Technology /  
Generative  
Design

Optimizing pre-design phase  
in ground improvement.

Entity /  
VINCI  
Construction

Menard

together @ VINCI 

LEONARD

AI FOR DESIGN

# Quanty Fire

Technology /  
Generative  
Design

Standardizing fire stopping  
compliance.

Entity /  
VINCI  
Construction

VINCI  
Building

together @ VINCI 

LEONARD

AI FOR DESIGN

# Adaptative Lighting

Technology /  
Generative  
Design  
Computer Vision  
Constrained  
Optimization  
Statistical  
Learning

Entity /  
VINCI  
Concessions

Determines optimal  
illumination intensity by  
processing real-time data  
from traffic flow,  
meteorological conditions,  
and road incidents.

VINCI  
Highways

together @ VINCI 

LEONARD

AI FOR DESIGN

# Sharp

Technology /  
Statistical  
Learning  
Generative  
Design  
Predictive  
Maintenance

AI tool for analysing risks and  
responses to a cyber attack on  
Electric Vehicle Charging  
Infrastructures.

Entity /  
VINCI  
Energies

Citeos  
Solutions et Digitales

together @ VINCI 

LEONARD

AI FOR DESIGN

# Energy Building Consumption Optimisation

Technology /  
Constrained  
Optimization

Statistical  
Learning

Simulator of the building's  
energy consumption required  
to achieve the desired comfort  
temperature.

Entity /  
VINCI  
Energies

Axians FR  
& VINCI Facilities

together @ VINCI 

LEONARD

AI FOR DESIGN

# Linaster

Technology /  
Constrained  
Optimization

Centralised reporting, storage  
and processing of technical  
and production data.

Entity /  
VINCI  
Construction

Geoinfrastructure

together @ VINCI 



LEONARD

AI FOR DESIGN

# MAESTRO AI

Technology /  
Natural  
Language  
Processing  
LLMs

AI-driven automation to  
optimize industrial plant.

Entity /  
VINCI  
Energies

Axians  
Netherlands

together @ VINCI 

LEONARD

AI FOR DETECTION

# Smart Retail

Technology /  
Computer  
Vision  
Machine  
Learning

Leverage AI and computer vision to analyze customer behavior, optimize store layouts, and use predictive analytics for smarter inventory management.

Entity /  
VINCI  
Energies

Axians DC DATA & AI BU  
& Axians IT

together @ VINCI 

LEONARD

AI FOR DETECTION

# RoadQuote

Technology /  
Computer  
Vision

Automatic road surface  
measurements and worksite  
digital plan generation.

Entity /  
VINCI  
Construction

Roadcare

together @ VINCI 

LEONARD

AI FOR DETECTION

# AITV

Technology /  
**Computer  
Vision**

**Nuclear automatic inspection  
through AI.**

Entity /  
**VINCI  
Energies**

**Omexom Tunzini**

together @ **VINCI** 

LEONARD

AI FOR DETECTION

# SateLeaks

Technology /  
Computer  
Vision

Optimizing drinking water  
savings for water utilities.

Entity /  
VINCI  
Construction

Sixense Satellite

together @ VINCI 

LEONARD

AI FOR DETECTION

# Conveyor Belt

Technology /  
Computer  
Vision

How to use AI to enhance  
conveyor belt monitoring.

Entity /  
VINCI  
Construction

VIA IMC

together @ VINCI 

LEONARD

AI FOR DETECTION

# Cyclope.ai

Technology /  
Computer  
Vision

AI turning picture into  
insights for safer, smarter  
roads.

Entity /  
VINCI  
Concessions

VINCI  
Autoroutes

together @ VINCI 

LEONARD

AI FOR DETECTION

# Réseau Inclusif de Mobilité Automatisée (RIMA)

Technology /  
Computer  
Vision

AI and road signs to locate and  
keep automated vehicles  
operational, even without a  
satellite signal.

Entity /  
VINCI  
Construction

Déconstruction  
et Equipement de la Route

together @ VINCI 



LEONARD

AI FOR DETECTION

# Sécurisation des chantiers par IA

Technology /  
Computer  
Vision

New generation of field  
assistants based on AI and  
computer vision to improve  
staff safety.

Entity /  
VINCI  
Construction

Sogea Environnement

together @ VINCI 

LEONARD

AI FOR DETECTION

# Crochet<sup>IA</sup>

Technology /  
**Computer  
Vision**

**AI at the service of  
construction site productivity.  
Easy to install, it collects,  
measures and analyses site  
production data.**

Entity /  
**VINCI  
Construction**

**Solumat Grues**

together @ VINCI 

LEONARD

AI FOR DETECTION

# Visit AI / OpenSpace

Technology /  
Computer  
Vision

From automated surveys of existing buildings for refurbishment projects to monitoring the progress of construction sites, AI is revolutionising data acquisition and work management with Open Space AI.

Entity /  
VINCI  
Construction

Bâtiment France  
& Génie Civil France

together @ VINCI 

LEONARD

AI FOR DETECTION

# Carapace & Caméléon

Technology /  
Computer  
Vision

Statistical  
Learning

Entity /  
VINCI  
Construction

Software solutions combining  
recognition of prefabricated  
concrete blocks for structural  
monitoring of dykes (Carapace)  
and automated detection of  
disorders in concrete structures  
(Caméléon).

Sixense Engineering

together @ VINCI 

LEONARD

AI FOR DETECTION

# APIDs : Automatic Threat Detection Solution

Technology /  
Computer  
Vision

Statistical  
Learning

Entity /  
VINCI  
Concessions

Optimizes security screening, with automatic threat detection in luggage. Improves efficiency, while maximizing safety to provide a seamless passenger experience.

VINCI  
Airports

together @ VINCI 

LEONARD

AI FOR DETECTION

# Road Incident Detection

Technology /  
Computer  
Vision

Statistical  
Learning

Early incident detection to increase road safety. Fosters preventive measures, detects 95% of incidents in less than 5 minutes.

Entity /  
VINCI  
Concessions

VINCI  
Highways

together @ VINCI 

LEONARD

AI FOR DETECTION

# Smart Turnaround

Technology /  
Computer  
Vision

Statistical  
Learning

Entity /  
VINCI  
Concessions

Analysis and tracking via  
cameras of the airplane arrival  
at the parking lot, connection  
to the bridge, operations  
around the aircraft. Improves  
flight punctuality, reduces CO<sub>2</sub>.

VINCI  
Airports

together @ VINCI 

LEONARD

AI FOR DETECTION

# Modelization of Vegetation and Soil

Technology /  
Computer  
Vision

Statistical  
Learning

Entity /  
VINCI  
Concessions

Monitors, visualizes and measures the evolution of the health of vegetation and land artificialization. Data satellite analysis to classify and characterize renaturation.

together @ VINCI 



LEONARD

AI FOR DETECTION

# AI for Television Inspection

Technology /  
Computer  
Vision

AI television inspection application. Automatic identification and detection of defects on a nuclear assembly.

Entity /  
VINCI  
Energies

Axians  
Omexom Tunzini

together @ VINCI 

LEONARD

AI FOR DETECTION

# Actemize

Technology /  
Computer  
Vision

LLMs

AI-powered solution that  
automates technical  
document processing, making  
it easy for engineers to access  
an enriched, searchable  
knowledge base.

Entity /

VINCI  
Energies

Axians DC DATA&AI BU  
& Actemium Oil & Gas

together @ VINCI 

LEONARD

FOR DETECTION

# Vehicle Classification

Technology /  
Computer  
Vision  
Statistical  
Learning

Image recognition (license plate)  
and use of optical character  
recognition (OCR) and machine  
learning to process them for toll  
invoicing. Application for  
free-flow tolling systems.

Entity /  
VINCI  
Concessions

VINCI  
Highways

together @ VINCI 

LEONARD

AI FOR PREDICTION

# Track Geometry / Géovoie

Technology /  
Statistical  
Learning

AI for track life-cycle  
optimization.

Entity /  
VINCI  
Concessions

LISEA - MESEA

together @ VINCI 

LEONARD

AI FOR PREDICTION

# BU Financial Drift

Technology /  
Statistical  
Learning

Forecasting year-end business  
unit financial drift with clarity.

Entity /  
VINCI  
Energies

Systèmes d'Information

together @ VINCI 

LEONARD

AI FOR PREDICTION

# City&You

Technology /  
Statistical  
Learning

Automate project scouting  
with REIMS, win contracts  
faster.

Entity /  
VINCI  
Immobilier

City&You

together @ VINCI 

LEONARD

AI FOR PREDICTION

# IKVS

Technology /  
Statistical  
Learning

Budget with one push of a  
button.

Entity /  
VINCI  
Energies

Axians IKVS

together @ VINCI 

LEONARD

AI FOR PREDICTION

# Airports Logistics

Technology /  
Statistical  
Learning

Improving baggage sorting  
system availability at Charles  
de Gaulle airport.

Entity /  
VINCI  
Energies

Actemium Maintenance  
Aéroportuaire

together @ VINCI 



LEONARD

AI FOR PREDICTION

# ISOIA

Technology /  
Statistical  
Learning

AI for understanding the  
insulation degradation of  
railway signaling cables.

Entity /  
VINCI  
Concessions

LISEA - MESEA

together @ VINCI 

LEONARD

AI FOR PREDICTION

# WindFarm

Technology /  
Statistical  
Learning

Improving offshore windfarm  
reliability and availability.

Entity /  
VINCI  
Energies

Omexom Renewable  
Energies Offshore

together @ VINCI 

LEONARD

AI FOR PREDICTION

# InSAR

Technology /  
Statistical  
Learning

Monitoring infrastructure  
from space.

Entity /  
VINCI  
Construction

VINCI  
Sixense Satellite

together @ VINCI 

LEONARD

AI FOR PREDICTION

# WiseBMS

Technology /  
Statistical  
Learning

Optimizing the steering of  
heating, ventilation, and air  
conditioning systems.

Entity /  
VINCI  
Energies

Nodewise

together @ VINCI 

LEONARD

AI FOR PREDICTION

# SPIM

Technology /  
**Statistical  
Learning**

**Monitoring the larger  
man-made river in the world  
using AI.**

Entity /  
**VINCI  
Construction**

Sixense Digital

together @ VINCI 

LEONARD

AI FOR PREDICTION

# Finance Sanity Checker

Technology /  
Statistical  
Learning

Finance report sanity checker.

Entity /  
VINCI  
Energies

Axians IKVS

together @ VINCI 

LEONARD

AI FOR PREDICTION

# iMaintenance

Technology /  
Predictive  
Maintenance  
Statistical  
Learning  
Computer  
Vision

Predictive maintenance for  
site machinery using vibration  
analysis and low-frequency  
data.

Entity /  
VINCI  
Construction

Délégation Terrassement,  
travaux maritimes et fluviaux

together @ VINCI 

LEONARD

AI FOR PREDICTION

# AOM 2.0 Maintenance Planner

Technology /  
Predictive  
Maintenance

Machine Learning predictive  
model analysis for budget  
optimization, risk minimizing  
and carbon footprint  
reduction for business  
decision support.

Entity /  
VINCI  
Construction

UK

together @ VINCI 



LEONARD

AI FOR PREDICTION

# Mercury - Smart Manufacturing

Technology /  
**Digital Twins**  
Advanced  
Analytics  
Reinforcement  
Learning  
Statistical  
Learning

Entity /  
**VINCI**  
Energies

Axians

A tailored framework for the manufacturing sector to transform raw data into intelligent decision-making powered by AI and Digital Twins.

together @ VINCI 

LEONARD

AI FOR PREDICTION

# GAIA AIOPS

Technology /  
**Predictive  
Maintenance**

**AI-driven automation to  
optimize hybrid and  
distributed cloud  
environments.**

Entity /  
**VINCI  
Energies**

**Axians  
Netherlands**

together @ VINCI 

LEONARD

AI FOR PREDICTION

# Predictive Maintenance on Oil & Gas Pipe

Technology /  
**Predictive  
Maintenance**

Optimising the choice of  
products to be refined in order  
to minimise corrosion of  
refinery pipes.

Entity /  
**VINCI  
Energies**

Axians Digital Consulting, Portugal

together @ VINCI 

LEONARD

AI FOR PREDICTION

# Vehicle Charging Stations ROI Optimisation System

Technology /  
**Machine Learning**

Simulation of the profitability of an Electric Vehicle Recharging Facility according to the geographical areas of interest and the technical characteristics of the charging stations.

Entity /  
**VINCI Energies**

Axians FR  
& Citeos

together @ VINCI 

LEONARD

AI FOR PREDICTION

# Détection de Colmatage sur Tunnelier

Technology /  
Statistical  
Learning

An algorithm that anticipates the clogging of a tunnelling machine's cutting wheel, thereby avoiding stoppages associated with cleaning the wheel and the resulting loss of productivity.

Entity /  
VINCI  
Construction

Tunnel Factory

together @ VINCI 

LEONARD

AI FOR PREDICTION

# Caledonia

Technology /  
**Statistical  
Learning**

**Software for rapid prediction of  
floods using a combination of  
physical models and artificial  
intelligence.**

Entity /

**VINCI Construction Sixense Engineering**  
**VINCI Concessions VINCI Autoroutes**

together @ VINCI 

LEONARD

AI FOR PREDICTION

# Physix IA

Technology /  
**Statistical  
Learning**

**Learning-based decorrelation  
of natural variations in  
monitoring data for a  
structure.**

Entity /  
**VINCI  
Construction**

Sixense Monitoring

together @ VINCI 

LEONARD

AI FOR PREDICTION

# Predictive Maintenance on a Parcel Sorter

Technology /  
**Predictive  
Maintenance**

**Anticipate breakdowns on a  
parcel sorter and optimise  
production tools**

Entity /  
**VINCI  
Energies**

**Axians FR  
& Actemium AMLP**

together @ VINCI 



LEONARD

AI FOR PREDICTION

# Automatic Data Quality Enhancement System

Technology /  
**Statistical  
Learning**

Application for assessing data  
quality and corrections.

Entity /  
**VINCI  
Energies**

Axians & VEF

together @ VINCI 

LEONARD

AI FOR PREDICTION

# Eversense Acoustics

Technology /  
Statistical  
Learning

Automatic filtering of acoustic  
events to detect wire breaks  
on cabled engineering  
structures.

Entity /  
VINCI  
Construction

Sixense Monitoring

together @ VINCI 

LEONARD

AI  
DAYS

together @ VINCI 