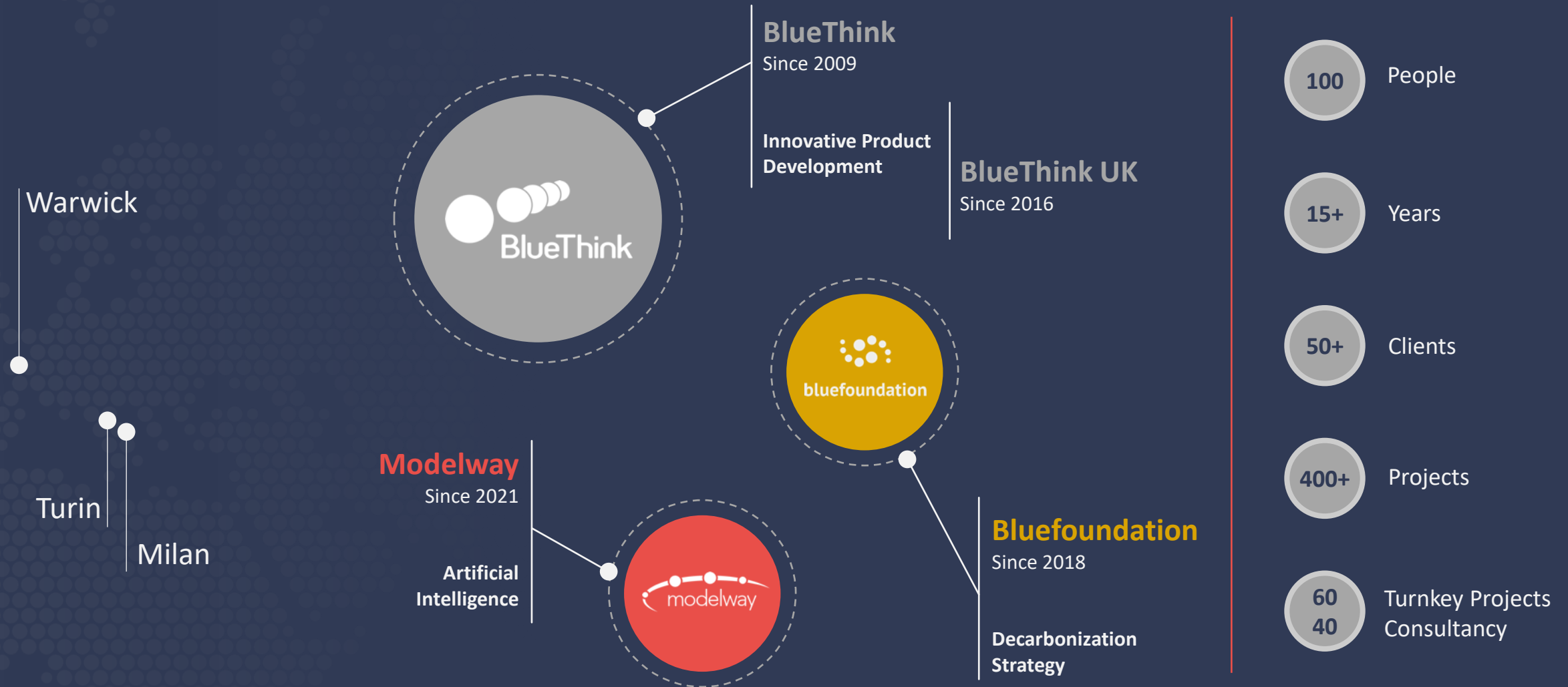


Integrating AI, Controls and Engineering

We are a team of engineers and data scientists committed to help our clients to face the digitalization revolution

The BlueThink Group



Modelway: a small company with a deep expertise



Who We Are

Founded as a spinoff of the Politecnico di Torino, Modelway invented **a new algorithmic approach**, which is now widespread in various industries. Today **we are a fully private company**, part of the BlueThink group. Our team is made up of highly skilled data scientists and control engineers, committed to building solutions for complex problems.



A unique expertise

With **twenty years of experience** in **AI** software solutions, **Advanced Control**, **Optimization**, Data Driven and Numerical Models **working with OEM and TIER 1** Companies, we can guide you through the algorithmic landscape to **identify the best solution for your needs**, be it the integration of off-the-shelf libraries or the development of a brand-new algorithmic approach.

Network – Customers and partners



LOCCIONI



STELLANTIS

Ferrari

bi-rex

DUMAREY



TRENORD

SKF



BUCHER
municipal



LEONARDO

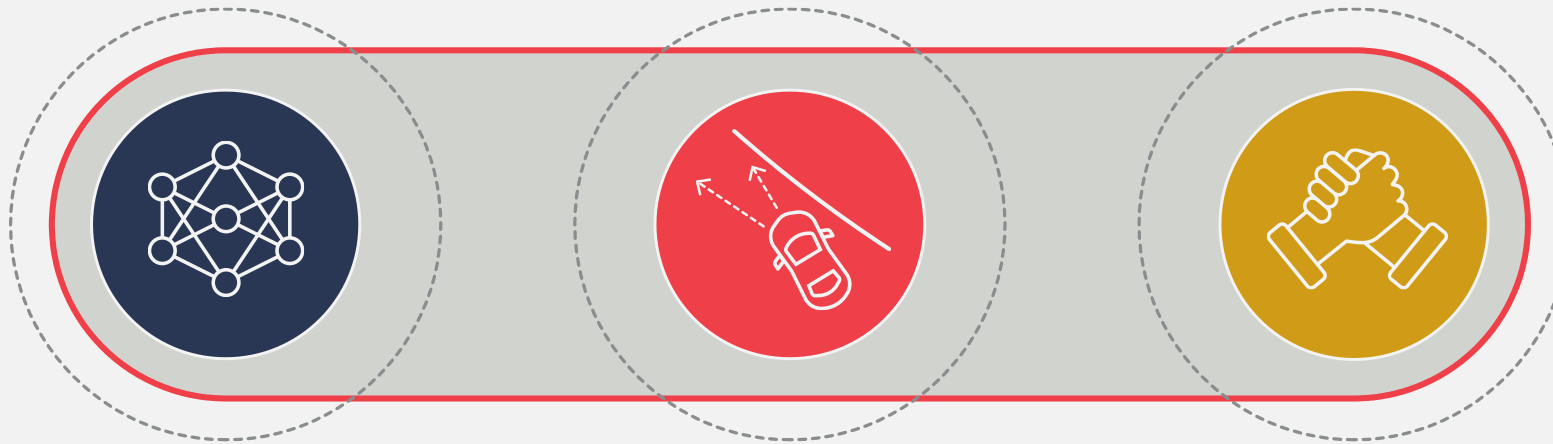
+ CIM4.0



Atos

tenova

Three paths to innovation



AI, Controls and SW Development

Cutting-edge innovation from the ground up, for the maximum degree of **customization**.

Integrating Engineering

Fast and robust **innovation** via **integration** of tried and tested subsystems for both **Edge** and **Cloud target**.
Rapid Prototyping on **HIL** facilities.

Consulting Competence Transfer

Inject our **expertise** into **your team** with our consulting services. Innovation, on your terms.

Patents

Patent **TO2014A000631** related to the DVS™ application in vehicle dynamics. Granted in Italy, EU, Japan, China, USA.

Patent **102016000098423** related to the DVS™ application in power train. Granted in Italy, EU, China, USA.

Our Competences



AI

Predictive Maintenance
Digital Twin
DVS
Computer Vision
Natural Language Processing
Data Analytics



Controls

Model Based Design
Data Driven Modelling
Advanced Control Systems
Virtual Simulation & Calibration
Self Tuning Controls
Optimization
Rapid Prototyping

A systematic approach

Our proprietary R&D methodologies enable a **systematic approach** to complex and non-linear systems.

Your need: Obtaining **more information** using the sensors already installed.

Our solution: **DVS™** Direct Virtual Sensing.

Your need: Controlling a complex system **learning from past** situations.

Our solution: **STC™** Self-tuning Controls.

Your need: Rapidly **adapting to unpredictable** anomalies.

Our solution: **NOSEM™** for hybrid modelling.

Levels of Intervention



PHASE 1 Analysis & Solution Selection

Analysis & Requirement

Solution Design

PHASE 2 Simulation

SW Test

SW Development

PHASE 3 Field Application

Rapid Prototyping

PHASE 4 Industrialization

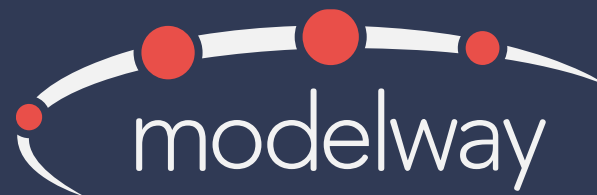
Solution Release

System Integration

Our Project Approach

We realise innovative **solutions** for **Edge, Fog and Cloud Computing** environments.

We can cover all project phases, from the scouting of the most suitable algorithm approach to the delivery of the solution in the customer's hardware. **It is the customer who decides** in which phase of the process we intervene.



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