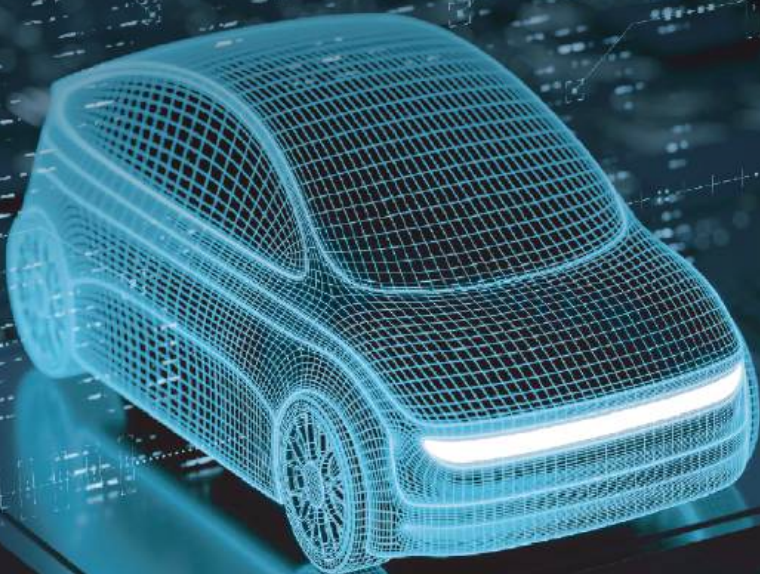




DEEP FUSION AI

PERCEPTIVE SENSOR FUSION

4D Imaging Radar / Camera / LiDAR
Perceptive Sensor Fusion System Company



Company Overview



DeepFusion AI **develops perception systems** for autonomous mobility and maritime operations.

Our core technology fuses **4D imaging radars with other sensors** to deliver **accurate detection, eliminate blind spots**, and solve challenges in **harsh environments** enabling Level 4 autonomy.

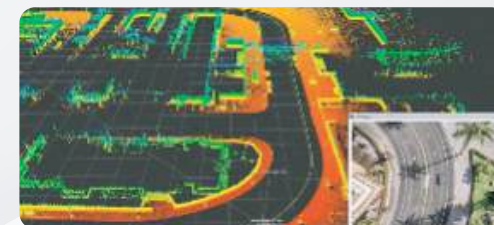
DFAI's Technologies (Core Value)



RAPA (Real-time Attention-based Pillar Architecture) is an AI-powered radar perception platform built on two core technologies and CES 2026 Best of Innovation Award in the Artificial Intelligence category



Virtual Multi-Radar Pre training Model



Virtual Multi-radar SLAM

Virtual Multi Radar

Multiple 4D imaging radars into a unified virtual system for 360° perception.

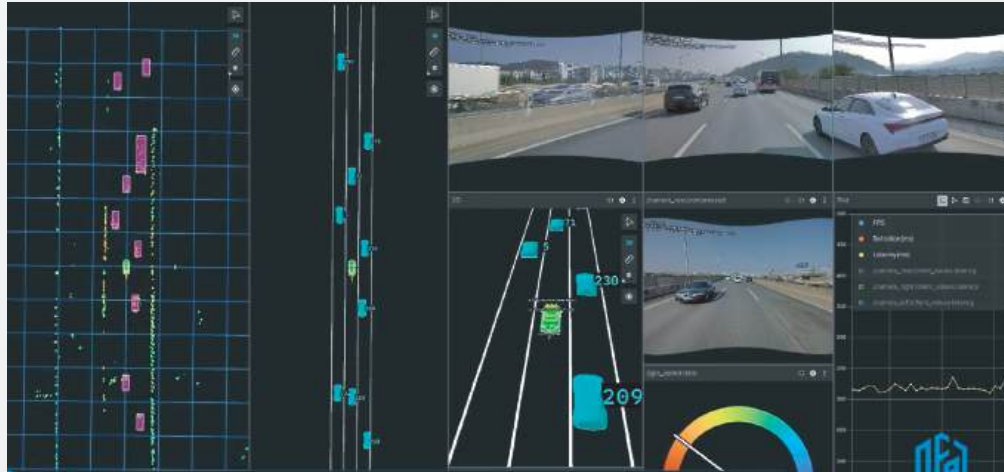
Pre-training Model

Proprietary datasets to optimize deep learning for radar signals, overcoming sparsity and noise.

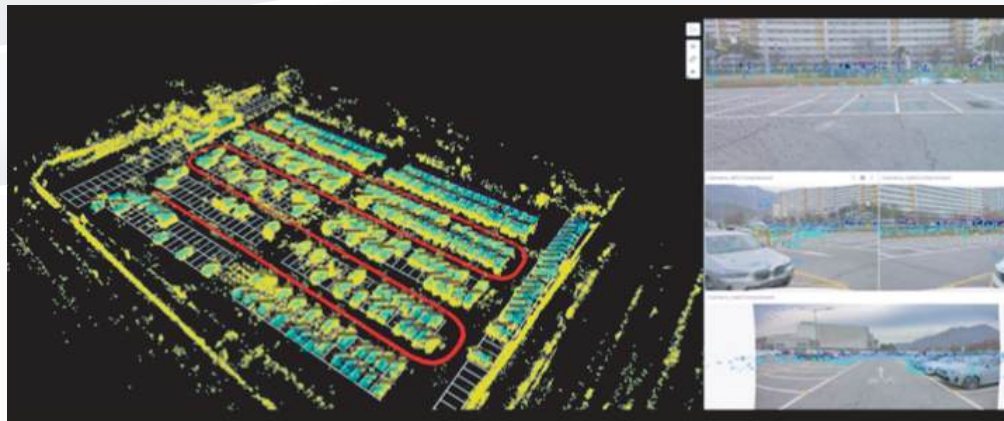
DFAI's Technologies (Core Value)

Developed the **world's first commercialized technology** that uses radar exclusively to achieve **real-time 360° perception** through deep learning, providing a cost-effective alternative to traditional multi-LiDAR setups.

Real-time surrounding Perception Using 4D imaging radar only



Auto valet parking with multi-radar sensor fusion



Defense & Mobility Applications

Applied in USV, UGV, Robotaxi



USV
(Unmanned Surface Vessel)

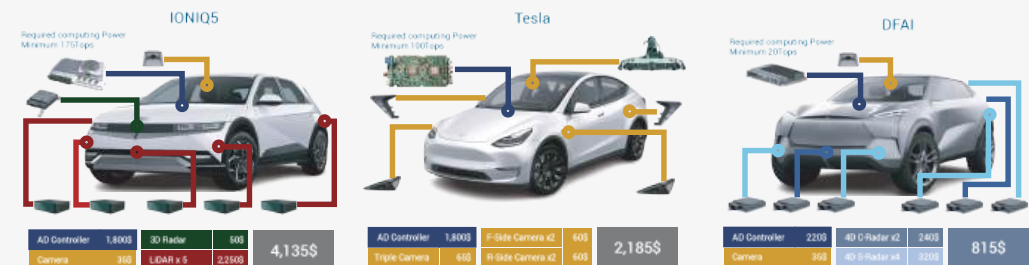


UGV
(Unmanned Ground Vehicle)



Robotaxi

DFAI's core technology, *RAPA can Autonomous Driving System Cost Innovation



*RAPA: Real-time Attention-based Pillar Architecture



We achieved camera-level recognition accuracy and gained confidence in replacing LiDAR

<https://www.deep-fusion.ai>

