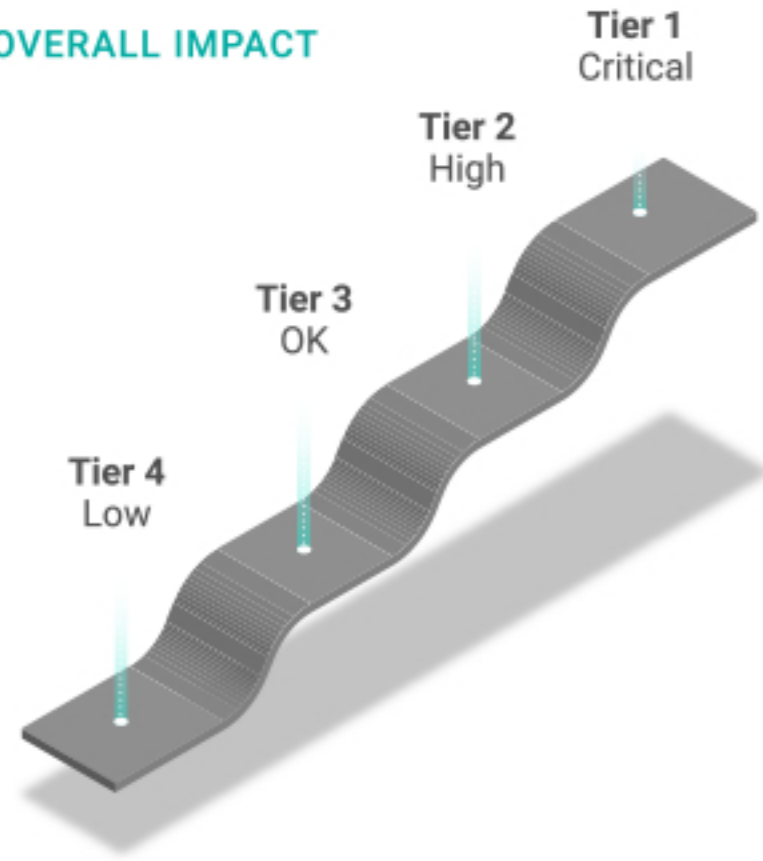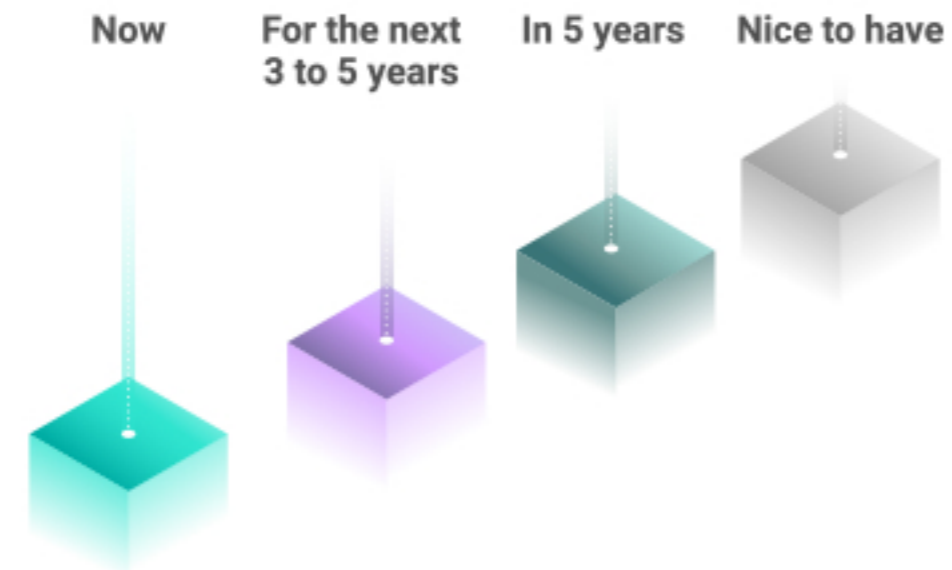# Intelligent Systems

Industry perspectives on the impact and timing of technologies and capabilities

/ **Sequencing your intelligent systems blueprints** /
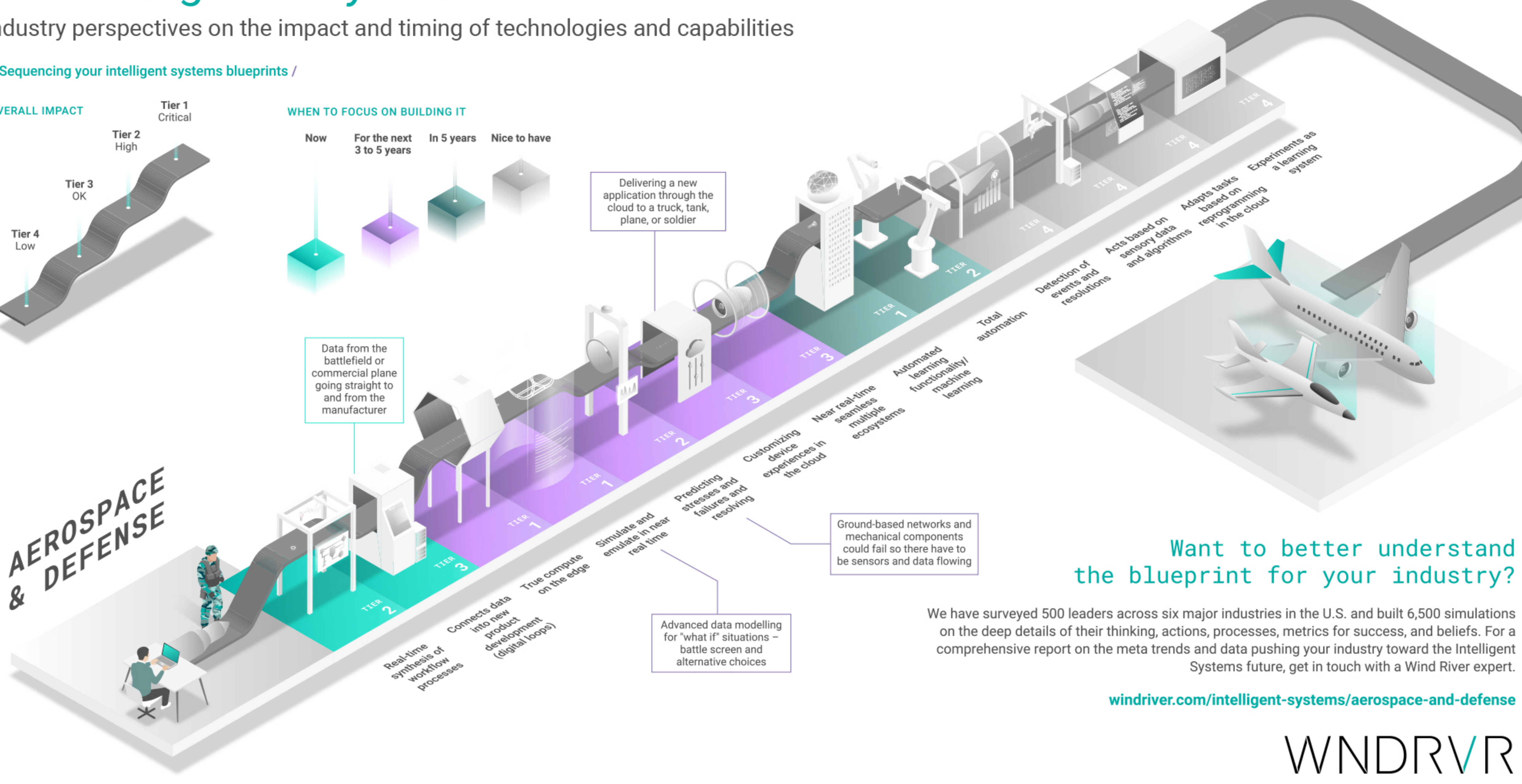
OVERALL IMPACT

- Tier 1 — Critical
- Tier 2 — High
- Tier 3 — OK
- Tier 4 — Low

WHEN TO FOCUS ON BUILDING IT

- Now
- For the next 3 to 5 years
- In 5 years
- Nice to have

AEROSPACE & DEFENSE

Data from the battlefield or commercial plane going straight to and from the manufacturer

Delivering a new application through the cloud to a truck, tank, plane, or soldier

Ground-based networks and mechanical components could fail so there have to be sensors and data flowing

Advanced data modelling for "what if" situations – battle screen and alternative choices

Process steps (left to right):

- Real-time synthesis of workflow processes — TIER 2
- Connects data into new product development (digital loops) — TIER 3
- True compute on the edge — TIER 1
- Simulate and emulate in near real time — TIER 2
- Predicting stresses and failures and resolving — TIER 3
- Customizing device experiences in the cloud — TIER 3
- Near real-time seamless multiple ecosystems — TIER 1
- Automated learning functionality/ machine learning — TIER 1
- Total automation — TIER 2
- Detection of events and resolutions — TIER 4
- Acts based on sensory data and algorithms — TIER 4
- Adapts tasks based on reprogramming in the cloud — TIER 4
- Experiments as a learning system — TIER 4

Want to better understand the blueprint for your industry?

We have surveyed 500 leaders across six major industries in the U.S. and built 6,500 simulations on the deep details of their thinking, actions, processes, metrics for success, and beliefs. For a comprehensive report on the meta trends and data pushing your industry toward the Intelligent Systems future, get in touch with a Wind River expert.

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