

IDENTIFYING TRENDS IN ARTIFICIAL INTELLIGENCE AND EDGE-COMPUTING SECURITY



A Leading Producer of Programmable Logic Devices

The Client wanted to learn about emerging techs and trends regarding hardware-rooted security standards and AI/ML technologies in order to expand their product application into low-power edge computing for mobile devices and IoT sensors.



CHALLENGE

The goals in this engagement were to:

- Focus on state-of-the-art hardware-rooted security technologies
- Present differentiators among emerging technologies
- Cover strategic information (technology trends) and operational information (acquisition targets)



APPROACH

PreScouter's team of Advanced Degree Researchers led by an IoT Subject Matter Expert searched for companies, startups, and research labs working with low-power edge and similar applications as well as sensor fusions applied in the IoT space for AI/ML. With information collected from publicly available resources, PreScouter and the Client culled these lists for deep-dive study of the most promising applications.



OUTCOME

PreScouter presented a total of 6 deliverables to the Client, including 4 that focused on AI/ML technology advances and 2 that focused on IoT hardware standards. For AI/ML technology advances, a total of 14 research groups, 19 companies, and 7 applications were identified and analyzed. For IoT hardware standards, 7 standards and 15 potential competitors were identified and analyzed.



Impact of PreScouter's Work: PreScouter recommended a strategy for product focus and compliance with multiple standards to the Client, along with a potential acquisition target in the AI/ML market.