

Foreword

Developing a successful defense against ballistic missile attacks has always been a challenging task for the Missile Defense Agency (MDA) and its predecessors, the Ballistic Missile Defense Organization (BMDO) and the Strategic Defense Initiative Organization (SDIO). Many engineering complexities and operational realities are associated with ballistic missile defense. These issues are not overcome overnight. To shorten the years it may take to achieve a deployable defense, MDA invests substantially in advanced technology development.



Through programs sponsored by MDA's technology development offices, U.S. businesses are working diligently for MDA to push forward the limits of science and engineering. Many invaluable technologies and products with applications for both MDA and the private sector are a direct result of these programs. When businesses find viable commercial markets for their MDA innovations, they grow significantly and mature their technologies, creating new jobs and new industries across the country. They also create new products that provide substantial economic and social benefits.

In this year's edition of the Technology Applications Report, I am proud to highlight 24 examples of MDA-funded technologies that have reached commercial markets. These technologies are making important contributions to our Nation's economy in areas such as communications, counter-terrorism, electronics, lithography, medicine, power generation, and sensing, to name just a few. They provide strong evidence that technological innovation is not dead. In fact, it is clearly alive and kicking!

A handwritten signature in black ink, appearing to read "Paul Koskey". The signature is stylized and fluid, with a large loop at the end.

Paul Koskey
Director, Technology Applications Program