



METSS CORPORATION
APPLIED SCIENCE AND TECHNOLOGY

PROVIDING INNOVATIVE SOLUTIONS
TO TECHNICALLY CHALLENGING PROBLEMS

METSS was formed in 1994 to provide innovative solutions to industry and government clients. Since then, METSS has cultivated a reputation as an applied solutions provider by leveraging the experience, scientific expertise, and creativity of a highly trained technical staff.

OUR CORE STRENGTHS

- » Development of advanced chemistries and materials.
- » Development of environmentally friendly products and processes.
- » Evaluation and protection of materials performance in aggressive environments.

SCOPE OF PRODUCTS & SERVICES

CONTRACT SERVICES

The majority of our programs are sponsored by various U.S. Government agencies.

- » METSS provides the relevant expertise, manpower and facilities needed to execute complex research, development, testing and evaluation programs (RDT&E).
- » METSS develops chemical and materials based solutions to address critical performance needs.
- » METSS provides contract management and on-site support services.

There is significant opportunity to expand our industrial client base as internal R&D capabilities have significantly diminished in the recent economic climate.

TECHNICAL SUPPORT SERVICES

METSS provides a broad range of engineering and scientific support services ranging from basic testing or consultation, to highly specialized R&D programs that are customized to support the needs of our clients:

- » Basic and applied R&D
- » Technical and management support
- » Product and process development
- » Technology assessment
- » Trouble shooting
- » Consulting services
- » Program management
- » Contract management

RDT&E PROGRAM SUPPORT

Our RDT&E program efforts are aligned with our core strengths in the following technology areas:

- » Advanced materials and applications
- » Chemistry and industrial formulations
- » Materials/chemical testing and evaluation
- » Chemical and biological (CB) defense

FACILITIES

METSS Corporation maintains 26,000 sq ft of office and laboratory space in Westerville (Columbus), Ohio. Our R&D facility is fully compliant with all local, state, and federal environmental, health, and safety regulations.

Our laboratory is fully equipped with the instrumentation and equipment required to support the technical needs of our diverse R&D program activities. METSS maintains a DoD Secret Level clearance to support our sensitive programs and provides on-site support at AFRL, WPAFB, Ohio.



COMMERCIALIZATION SUCCESSES

METSS maintains the company's focus on its technical expertise and proven record of innovation by transitioning the technologies/ intellectual property developed by METSS to commercial enterprises once they have matured to the point where they are ready to be integrated into a business focused on commercial implementation:

SYNTHETIC LUBRICATING & HYDRAULIC OIL FOR MOTION CONTROL, STEAM TURBINES AND GEARS, MIL-DTL-32353A

METSS developed new synthetic lubricating oil for submarines capable of addressing extreme pressure wear while providing greater resistance to oxidation and degradation, thereby reducing costs and extending operating service life. The product is currently being supplied to the Navy as METSS 2190-S.

DEVELOPMENT OF ENVIRONMENTALLY BENIGN AIRCRAFT DEICING/ANTI-ICING FLUIDS

METSS developed the world's first non-glycol aircraft wing deicing fluid certified to all FAA requirements. This non-toxic product was derived from food grade, agriculturally derived, renewable resource, and reduces biological oxygen demand by 50% compared to glycol materials.

This technology base has been expanded to address other DoD and commercial deicing applications including commercial use in highway and runway deicing applications.

This was a 2001 R&D 100 Award winning technology.

RECYCLING OF COATED PLASTICS USED IN AUTOMOTIVE AND INDUSTRIAL APPLICATIONS

A water based attrition de-coating process was developed that effectively removes a wide range of coatings (metals and paints) from an equally wide range of plastics.

A key aspect of the de-coating process is the ability to remove coatings from plastic substrate materials in an environmentally friendly fashion without affecting the mechanical properties or processing characteristics of the polymer.

This commercialized process is now practiced by Geo-Tech Polymers enabling capability to de-paint and recycle over 20 million pounds a year of post-industrial plastics.



METSS Corporation is a technology-based company that develops innovative solutions to technically challenging problems. We provide a broad scope of engineering and scientific services to government and industry clients.

Our core strengths include the development of advanced chemistries and materials, the development of environmentally friendly products and processes, and the evaluation of material performance in aggressive environments.

While capable of conducting basic research, our programs typically emphasize applied research and development, producing near-term solutions and commercially viable products and processes.

STAFF

METSS is staffed to provide the best mix of technical talents to conduct successful R&D, rapidly developing new products and processes to the point of technology transition.

Our scientists and engineers have extensive backgrounds in engineering, materials science, and chemistry, with most of our senior staff having advanced technical degrees and a significant amount of practical experience developing products and processes for a number of different industries.



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