

Support for manufacturing and design engineers in surface science

- Consulting
- Troubleshooting
- Prototyping
- Production
- Support

Polyplex, Inc.
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Do you have concerns about ...

- Component life
- Environmental conditions
- Material compatibility
- Corrosion
- Lubricity
- Release
- Wear
- Coatings



re-invent your performance coatings
corrosion mitigation - lubricity - release



Why choose Polyplex, Inc. for your business needs?



The company...

Polyplex, Inc. is a veteran owned small business providing surface science support through consulting, prototyping, product/process evaluation and production to clients requiring innovative needs in component and system improvements. **Polyplex, Inc.** was founded in 1996 as a technology transfer company, working with the U. S. Navy, U. S. Army and defense prime contractors to introduce green technologies such as state of the art low cost sustainability coating alternatives on weapon system components. Since then, **Polyplex, Inc.** expanded technology transfer and commercialization efforts into the medical, airline, aerospace, textile and consumer industries. **Polyplex, Inc.** provides research and manufacturing support in coatings technology. Success is provided through an extensive background in material selection, alternative plating, anodizing and passivation systems and non-VOC polymer coatings. These coating systems help provide corrosion and UV protection, lubricity, wear, anti-galling, release and more.



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The consultant...

Wayne Powell, the founder of **Polyplex, Inc.**, has over 30 years experience in the manufacturing industry and held positions as scientist, engineer and manager. He is a certified chemist and certified electroplating and surface finisher providing solutions for military, aerospace, airline and medical companies. He has worked with and managed teams within these industries establishing and implementing system improvements, project goals and technical expertise to resolve product and process issues.

Significant successes include corrective action to a corrosion issue on an integral system of a commercial airline fleet, improved quality performance on F-16 ejection seat components and project manager responsible for successful startup and execution of the U. S. Army Corrosion Measurement and Control program under the National Defense Center for Environmental Excellence. In all scenarios, it was vital to evaluate and implement innovative technologies for material problems. Having a strong technical background in material science, chemical, physical and electronic disciplines as well as project management skills is also essential. Additionally, Mr. Powell has extensive experience in aerospace manufacturing, quality assurance, laboratory analysis, defect analysis, computer simulation, and R&D with Lockheed Martin and GE Aerospace.

Awards and Honors...

Engineer of the Year, Quality Assurance-GE Aerospace, NDD
Award of Excellence - Department of Energy (DOE)
Achievement Award - Lockheed-Martin
Outstanding Achievement Award - Lockheed-Martin
Inventory Reduction Award Lockheed-Martin
Patent US 7,514,153
Patent US 7,776,606
Patent US 7,803,428