



TESSERACT™

## CASE STUDY SNAPSHOT



# KME America Marine Tube & Fitting

KME AMERICA MARINE TUBE & FITTING, LLC.

### Headquarters



3485 Evergreen Ave  
Jacksonville, FL  
32206

### Industry



Manufacturing

### Size



51-200  
Employees

### Products & Services



Complex Metallic  
Formed Fittings and  
Flanges

## Understanding the Challenge

KME America Marine Tube & Fitting, LLC (KMETF), serves as an essential subcontractor for the US Navy, crafting piping and fittings for naval ships and submarines. In a sector where cybersecurity and compliance are non-negotiable, KMETF encountered the significant challenge of aligning with the Cybersecurity Maturity Model Certification (CMMC) standards. Primarily, the company aimed to achieve and maintain compliance with NIST 800-171 for CMMC Level 2, a pivotal requirement for contractors within the defense industrial base.

Upon learning about Tesseract from a recommendation by one of their previous Managed Service Providers (MSPs), KMETF acted swiftly to engage with Ardalyst. A brief exploration of alternatives soon led them to conclude that Tesseract's offerings were uniquely suited to their specific needs.

## The Right Partner

Tesseract distinguished itself through its comprehensive suite of services designed for CMMC compliance, with several key factors influencing KMETF's decision:

- ✓ **Microsoft GCC-High as a Cloud Service Provider (CSP):** One of the pivotal reasons KMETF selected Tesseract was its offering of Microsoft Government Community Cloud (GCC) High licenses. GCC High environments are designed to meet the rigorous compliance

standards required by the Department of Defense (DoD), including CMMC and NIST 800-171. By choosing Tesseract, KMETF secured an essential tool that provided a secure, cloud-based environment optimized for their unique needs as defense contractors.

- ✓ **Ongoing Monitoring Services:** Tesseract's ongoing monitoring and compliance services offered KMETF peace of mind, knowing that their network and systems were under constant surveillance for any suspicious activities. This continuous monitoring capability enables KMETF to detect and respond to threats in real-time, significantly reducing the potential impact of cybersecurity incidents.
- ✓ **Advisory Services for Developing Policies and Security Controls:** Tesseract's advisory services were instrumental in helping KMETF develop and implement the necessary policies and controls for NIST 800-171/CMMC Level 2 compliance. Tesseract's expertise in demystifying the complex regulations and providing actionable guidance proved invaluable to KMETF.

The decision to choose Tesseract was driven by a clear understanding of KMETF's specific needs in achieving CMMC compliance and enhancing their cybersecurity posture. This partnership has enabled KMETF to maintain the high standards of data security, ensuring their continued role as a trusted supplier to the US Navy.

## Tesseract Implementation & Support

The implementation process was marked by thorough consultations with the Ardalyst team, which clarified and simplified the complex language of NIST 800-171 publications. Tesseract also provided the baseline configurations for Entra and Intune, streamlining the deployment of KMETF's cybersecurity program's security controls. The hands-on approach in planning and simplifying compliance was instrumental for KMETF in implementing their program.

## Benefits Realized

The partnership with Ardalyst has had a transformative impact on KMETF, not only in terms of achieving compliance with CMMC and NIST 800-171 standards but also in significantly enhancing their overall cybersecurity posture and operational efficiency. The impacts of this collaboration can be broken down into several key areas:

- ✓ **Enhanced Cybersecurity Measures:** The implementation of Tesseract has fortified KMETF's defenses against a wide array of cyber threats. Injecting new capability into their cybersecurity infrastructure, KMETF has drastically reduced the likelihood of successful cyberattacks. Enhanced cybersecurity measures have ensured the integrity and confidentiality of sensitive defense-related information, a cornerstone of national security.
- ✓ **Compliance with Regulatory Standards:** Achieving compliance with NIST 800-171/CMMC Level 2 is a significant milestone for KMETF, marking it as a trusted and secure partner in the defense supply chain. This compliance not only fulfills a critical requirement for their contract eligibility with the US Navy but also sets a benchmark for best practices in handling Controlled Unclassified Information (CUI). Through Tesseract, KMETF has established a compliance framework that is both robust and scalable, ensuring that they can adapt to evolving regulations and standards in the future.

- ✓ **Operational Efficiency and Reliability:** The adoption of Tesseract has streamlined KMETF's IT and cybersecurity operations. The GCC High environment, along with the baseline security configurations of the Tesseract program, has simplified the management of secure communications and data storage. Furthermore, the establishment of clear security policies and procedures has improved internal processes, making them more efficient and reducing the risk of human error.
- ✓ **Business Growth and Competitiveness:** Being able to demonstrate compliance with CMMC and NIST 800-171 standards not only secures KMETF's existing contracts but also positions the company favorably for future opportunities within the defense sector. In an industry where cybersecurity readiness is increasingly becoming a differentiator, KMETF's proactive approach to cybersecurity and compliance is a competitive advantage.

Tesseract's impact on KMETF extends far beyond compliance achievements. It has fundamentally enhanced the company's cybersecurity infrastructure, operational efficiencies, and business competitiveness. KMETF has set a strong foundation for future growth and success, exemplifying how strategic investments in cybersecurity and compliance can yield substantial returns.



"We had and still have pleasant experiences working with Tesseract. The Ardalyst team has helped us tremendously in bringing more organization to our IT systems, policies, and procedures. Tesseract has done more than what was expected, and we greatly appreciate their support."

**Theo Miskel, IT Manager, KMETF**

To learn more about Tesseract™, visit: [www.tesseract.aridalyst.com](http://www.tesseract.aridalyst.com)

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