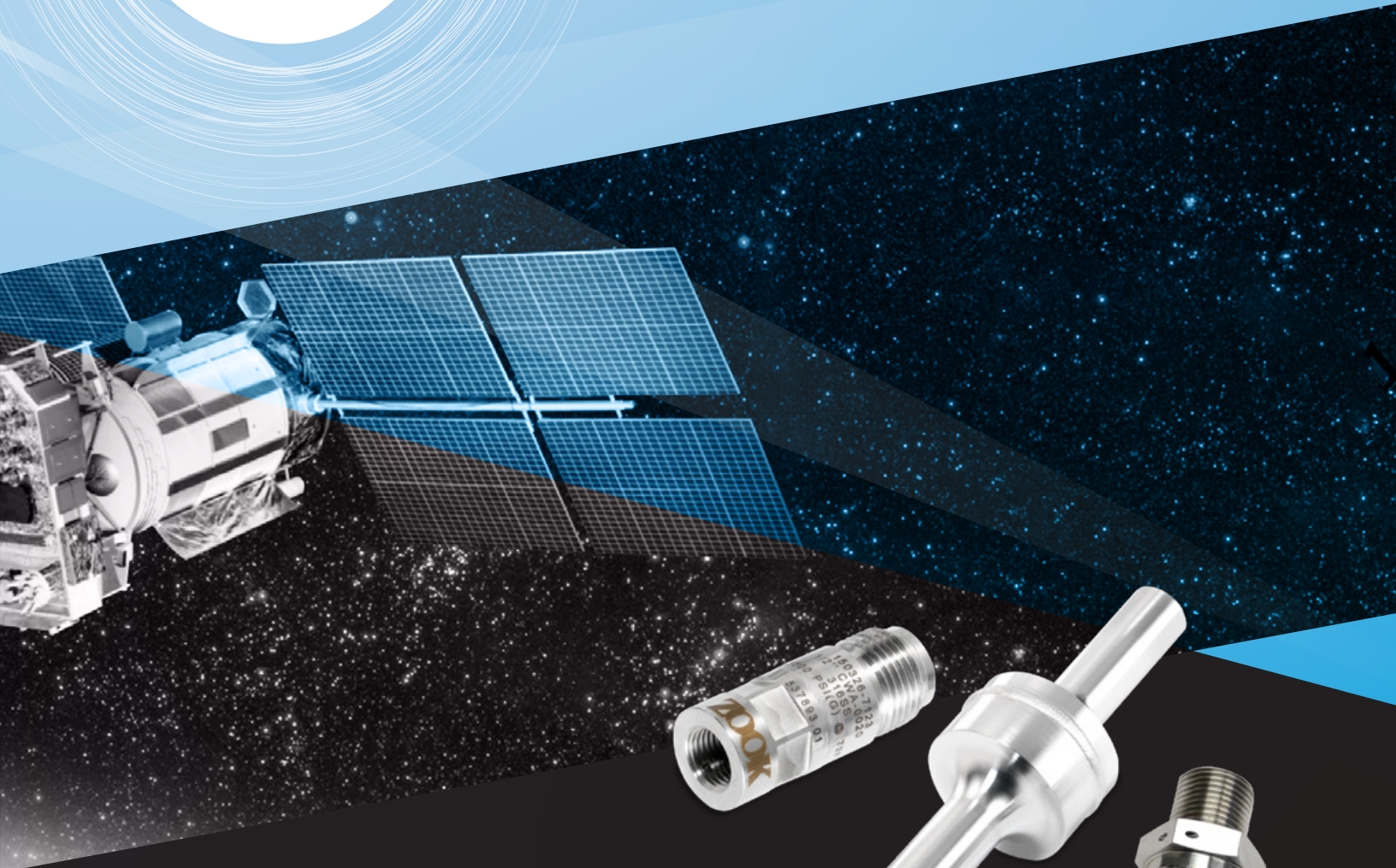




ZOOK®



PRESSURE RELIEF & ACTIVATION SOLUTIONS

FOR THE AEROSPACE INDUSTRY

We offer precision pressure relief and activation solutions for space technology and related industries. Trust in our innovation for unparalleled quality, reliability, and custom-engineered services.

About ZOOK

ZOOK is a global market leader with over 90 years of manufacturing experience in the crafting of high-quality metal & graphite rupture disks and other pressure relief products. We are committed to finding pressure relief and activation solutions for our customers that maximize their productivity and performance while keeping them safe. We design standard and custom pressure relief solutions for the world's most demanding industries such as: aerospace/defense, oil and gas, chemical processing, petroleum refining, pharmaceutical, food and beverage, transportation, and powder & bulk solids.



Introducing ZOOK Engineer to Order

ZETO

ZOOK Engineer to Order

The aerospace industry demands tailored precision and reliability like never before. With ZETO, we embark on a new era of customized solutions, where our team of expert engineers collaborates closely with you to design and manufacture rupture disks that address your unique challenges and requirements. Whether you're navigating uncharted territories or seeking to optimize existing systems, our ZETO service is your gateway to cutting-edge, aerospace-grade pressure relief and activation solutions built precisely to your specifications.

Trust us to engineer the future of aerospace safety together.

Service Offering

Product Testing

With safety and quality as our top priority, we offer full suite of testing protocols for solutions and assemblies.

- 100% Leak Testing
- Burst Testing
- Non-Destructive Testing
- Cycle Testing
- Temperature Testing from -260°F (-162°C) to 1000°F (538°C)
- Positive Material Identification (PMI) Testing

Rapid Prototyping

Time is money. We leverage our vast pressure relief/activation experience in tandem with the latest CAD technologies to deliver prototype designs quickly and efficiently. These prototypes are an important first step to meet desired performance criteria and certifications.

Welded Assemblies

While ZETO provides and supports a multitude of interface options, Welded Assemblies offer versatile connections and low mass, low leak rate units which fully protect the disk ensuring the easiest installation and highest reliability.

ZOOK offers a large assortment of welded designs for a wide variety of aerospace applications, including custom fittings and connections.

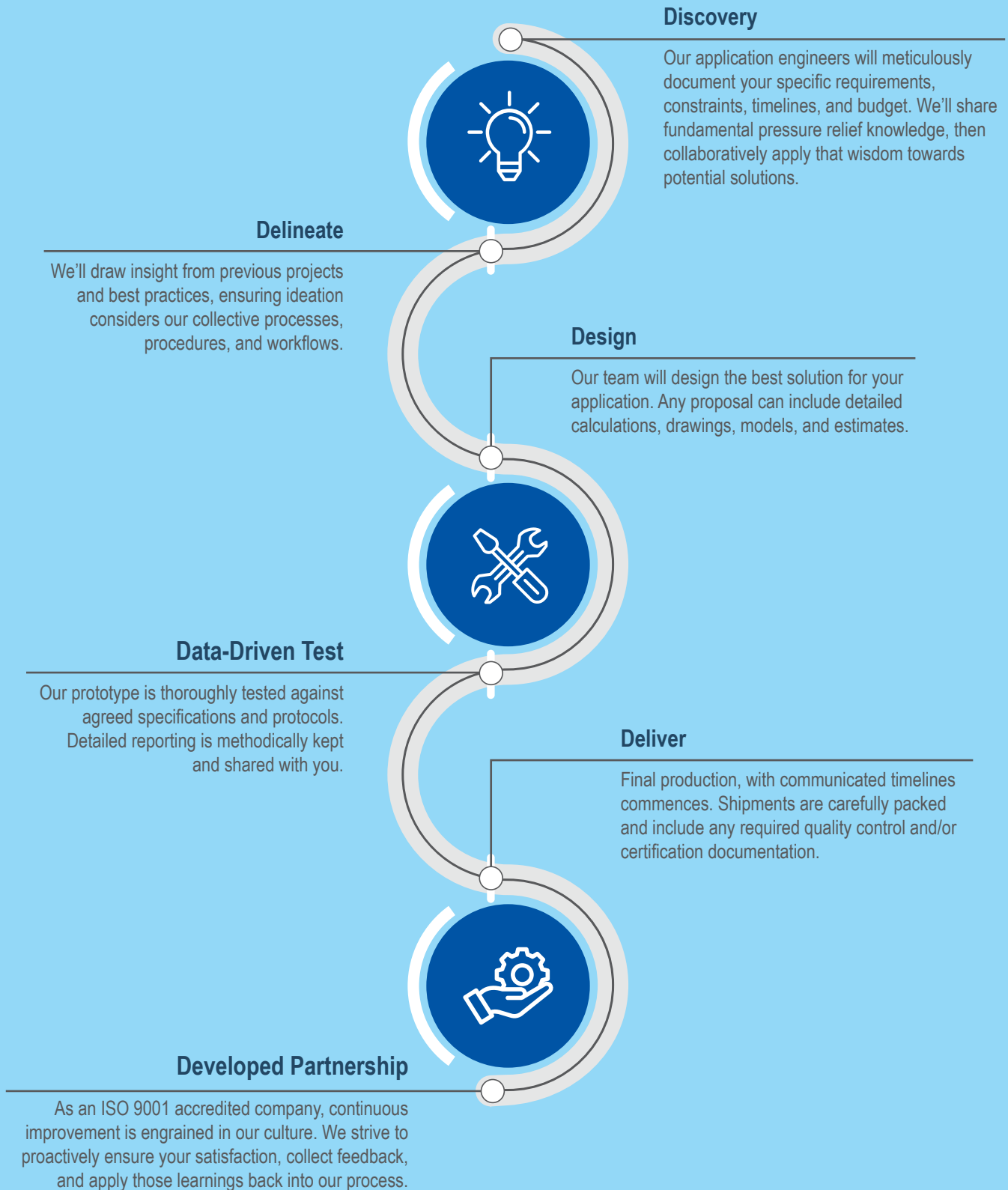
Features:

- Hermetic Seal - providing maximum leak tightness with helium leak rates as low as 1×10^{-9} std.cc/sec GHe (gaseous helium)
- Custom Housing and Connections – NPT, CF / KF, ISO-K / ISO-F Flanges
- Optimized Assembly Geometry & Weight
- Extended Life Cycle



Process Driven

You'll be assigned a lead application engineer who will take you through the ZETO process.



Quality and Certifications

ZOOK's ISO 9001 accredited manufacturing processes ensure our products are of the highest quality, while our Quality Management System (QMS) enshrines our commitment to continual improvement. Our experience in the aviation, space, and defense industries is strengthened by our AS 9100D (Aerospace Management Standard) certification.

As required, ZOOK solutions are manufactured in accordance with worldwide standards, including:

- ASME Boiler and Pressure Vessel Code (BPVC) Section XIII
- Pressure Equipment Directive (PED)
- EN ISO 4126-2
- AD 2000-Merkblatt A1
- KOSHA
- NFPA
- American Welding Society (AWS) D17.1 Aerospace Endorsement
- 3-A, FDA, and USP Sanitary



CRN



Quality Assurance

We leverage the latest technologies and methodologies to ensure design, fit, and quality of components.

- Traceability Compliance – AS9100, NIST
- APQP / PPAP Process Methodology
- Digital Inspection of Threads & Body Dimensions
- Surface Finish Measuring
- Video / Photographic Borescope Inspections

ZOOK is committed to finding pressure relief solutions for our customers that maximize their productivity and performance while keeping them safe. ZOOK is a global market leader with over 90 years of manufacturing expertise of high quality metal & graphite rupture disks and other pressure relief products. ZOOK has global locations in the USA, United Kingdom, Canada and Malaysia, with state-of-the-art manufacturing facilities in Canada and the USA.

Our products are sold in 65+ countries and to-date have over 6,000 customers buying our products worldwide.

We are dedicated to investing heavily in the latest technology and production techniques to be the best in the marketplace. This enables us to offer comprehensive solutions for each customer application.

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