

# APPLIED SOLUTIONS

In order to satisfy the rigorous and highly specialized demands of our customers across verticals, we offer **Applied Solutions**—innovative, custom gas delivery systems for application-specific needs. Our engineers combine our robust product offerings, industry-leading services and vertical expertise to solve even the most complex gas delivery and distribution challenges.

Here's how we will get started on the path to your Applied Solution.



## 1 Assess Your Application

Creating an Applied Solution begins with a full understanding of your specific application. Tell us your needs at our Engineering Consultation, where we will gather the facts we need to understand and solve your challenge.



## 2 Problem Solve & Propose

Our team will use advanced engineering to develop a proposed solution that meets all of your performance demands, and fully complies with applicable statutory and regulatory requirements.



## 3 Present & Refine

We will present our proposed solution and hold a collaborative session to gather critical customer feedback, refining the approach and/or design as needed until optimized.



## 4 Assign Project Lead

Upon proposal acceptance, a Project Engineer will be assigned to your project to ensure seamless management, one-on-one attention and top-of-mind priority for your custom system design.



## 5 Develop Submittal

Our engineering team then develops submittal drawings, complete with hazardous gas safety reviews as needed. We present this submittal package for customer review and work collaboratively to achieve acceptance.



## 6 Create Design Package

Based on submittal acceptance, bills of materials, detailed engineering drawings, and production jobs are developed, and the engineering design package is created.



## 7 Internal Review

Before production begins, the package is fully vetted and verified by our engineering manager, controls engineering manager and entire engineering team via peer review.



## 8 Production

Once the package has been approved and released, production begins. Throughout the production process, we keep our eye ever focused on achieving your specific application and process requirements.



## 9 Validation

Following production, validation and factory acceptance testing verifies that solution design meets solution intention. In our Applied Solutions process, validation is a fluid extension of production.



## 10 Shipping & Start Up

With validation confirmed, your solution is shipped—but our Applied Solutions are not complete until they are performing optimally in your environment. That is why we offer on-site equipment start-up, support, and training for your team.

**Tell us about your unique process requirements to get started today.**

We'll help you define the gas delivery system solution that meets the demands of your application and industry.

Provide us with some initial information regarding your equipment need by emailing [appliedsolutions@appliedenergysystems.com](mailto:appliedsolutions@appliedenergysystems.com) today.



[www.appliedenergysystems.com](http://www.appliedenergysystems.com)