GAS INFRASTRUCTURE FOCUSED SOLUTIONS



ZENNERGY INTERNATIONAL

Zennergy International provides complete **turnkey gas infrastructure solutions** globally

Zennergy and its associated companies provide a complete project service through a single point of contact to deliver gas infrastructure and innovation on a global scale. Zennergy manage your every requirement no matter the complexity, with a highly experienced and specialist team, resulting in rapid mobilisation and fast tracking of project deliverables.

Whichever services are utilised, Zennergy provides a comprehensive design, engineering and management team that draws from many years of extensive gas systems experience in the UK and internationally. This experience allows an objective approach to Application Engineering to ensure performance matched packaging.



Consultation

Site surveys

Application engineering

Feasibility studies

Product innovation and design



Engineering + Design

Modules for natural gas distribution and transmission

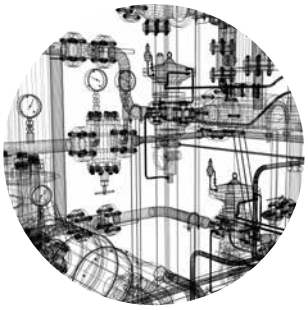
Vessel Design - ASME and PED 5500

Specialists in measurement and regulation systems

Gas to power package solutions

Gas heating solutions

Innovative performance matched systems



Manufacture

Gas conditioning

Measurement and control

Skids / pipe work

Bespoke modular solutions

Manufacturing to International standards



On-site activities

Installation supervision

Electrical / Mechanical / Gas services

Start-up and commissioning

Maintenance programmes



Training + Support

Operational troubleshooting

Logistics support

Performance analysis

Operations and maintenance

Training programs (on and off site)



A business built by people with **experience**





Zennergy utilise highly experienced personnel to supply gas solutions that provide an innovative approach to engineering, design, management and production techniques. We believe clear and regular communication is key to business success, with our international team providing 24/7 commitment.

Our focused approach to personal contact with scheduled project meetings at key management level is vital to project success.

The Zennergy team is based in offices covering the UK, USA, Brazil, The Middle East, Russia and Europe. We utilise the latest cloud based technologies to effectively manage projects of any size to match your project and location requirements.

Consultation

With extensive experience in the international gas industry, Zennergy offer consulting services to provide advice, support and assured concepts to help maximise our client's value of assets and investments in systems and infrastructure. We work with our clients to identify their detailed requirements and provide solutions for any issues.

Zennergy has a 40 year practical knowledge of working on projects for gas utilities, gas to power projects and industrial applications in some of the toughest geographical locations and market areas in the world.





Extensive proposals with rapid response

Zennergy's extensive infrastructure project portfolio allows detailed quotations to be prepared within a rapid timescale, while providing accurate costs, detailed design and solution recommendations. All proposals include a very detailed engineering analysis and promotes our extensive 3D design culture.



Engineering and design services

Zennergy's engineering team provides engineering and design services to meet our customers requirements, from a small adaptable service contract to a total integrated facilities management solution. This includes innovative engineering design, consultancy, accountable project management, installation and ongoing operation and maintenance.

Each station is individually designed, in accordance with the precision and safety levels demanded by the application and in compliance to national and international standards.



A design approach

Forward thinking design processes allow Zennergy to create detailed drawings/ visuals in record time for specific engineering applications, quotations or project amendments. With 3D design team's based in Houston and Brazil, we are able to present proposals in a new way that is unique to the industry.



Transmission and distribution packaged solutions

Bespoke engineered solutions for pressure control and measurement applications ranging from City Gate, Major Industrial / Power Plants to industrial and commercial distribution modules.

Zennergy can provide a range of Discreet System Solutions:

- Gas Conditioning
- Gas Heating (6kw to 10mw)
- Gas Regulation Packages
- Fiscal Metering Packages

Systems design and innovation

Zennergy's design teams constantly strive to develop bespoke and compact solutions. These cover everything from system packaging, material saving and new innovative product application where acceptable. Utilising heat exchangers, we provide a super efficient method to combat the Joule-Thomson effect associated with natural gas reduction systems.



Manufacture and **product**





Zennergy work with associate companies to provide the highest quality, fully certified and tested products on all projects undertaken. The range includes Pressure Regulating Valves, Over and Under Pressure Automatic Shut-off Valves, Relief Valves, Filters, Flow Meters and other peripheral instruments, varying according to the complexity of the final application.

This combination of product knowledge and systems design, develops optimum operations and reduced costs due to streamlined maintenance. Zennergy stations are mounted on custom fabricated skids, facilitating their transportation and installation.

Only the highest quality

With strict quality control systems in place for all fabrication and production, Zennergy ensure the highest quality for our systems and associated products. With forward planning of every detail we are able to custom build skid components and electronics to the highest specification levels, delivering a seamless construction process, minimising construction and installation time and improving installation efficiency.





On-site activities

Management and Maintenance

Zennergy places high priority and takes pride on the effective completion on time for every project undertaken. Your direct contact Zennergy Project Manager will track all project elements from the project commencement to final completion and communicate regularly with your nominated contact throughout the process. We oversee and manage the total schedule of installation and commissioning to ensure correct operation, quality control and project milestones are met. We offer a full on-site presence for all site activities.





Following installation, commissioning and start up activities Zennergy are able to provide a full range of support services covering operational troubleshooting, logistics support, performance analysis, operations and maintenance. Our team can be called to any global location at short notice to deliver a fast, effective and professional service customised to your requirements. Zennergy International is focused to designing, developing and delivering site-specific operations and maintenance training programs to meet your needs and create ongoing smooth operation of your facility.

Professional **training** and support





Mission

To deliver first class, gas industry solutions and services to our customers worldwide. We accomplish this by developing a business culture committed to continuous improvement and the expertise to utilise the latest developments in technical innovation and performance of systems and products. To conduct our business in a socially responsible, green and ethical manner.

Vision

To be the leading provider of bespoke engineering and infrastructure solutions to the international gas industry and to be recognised for both quality and excellence of service by maintaining international standards and continuous improvement to enhance best practice.

Zennergy cover all **sectors**





Commercial

Utilities

Gas to power

Industrial

Power stations

Factories

Transmission

Distribution

CNG

LPG

LNG



Gas **Distribution** Systems





Specialists in above and below ground installations

Zennergy specialises in the manufacture of gas measurement and control stations for distribution networks, in which all components are performance selected to ensure operational efficiency and matched to our client technical specifications.

Stations for network pressures ranging from:

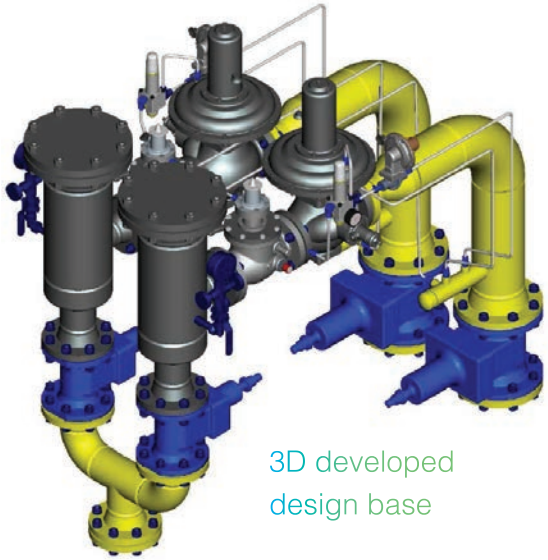
- Inlet pressures up-to 16 bar (PN16) / 19.6 bar Ansi Class 150
- Outlet pressures down to 20 mbar

Product and manufacture asscoaites

RAAK BV GASCAT ÆON

Zennergy's core business is the design and development of bespoke measurement and control equipment and facilities. In support of this, our in-house capabilities provide a wide range of project services which are continually being developed to meet the changing needs of our customers and the marketplace.





3D developed design base

Project services

- Initial feasibility/conceptual design
- Provision of technical specifications
- Detailed design
- Provision of drawings and draughting facilities
- Material specification/selection and procurement
- The provision of Materials/equipment schedules
- Manufacture and assembly of equipment
- Quality assurance
- Site installation
- Site commissioning
- Technical support both remote and on-site
- Training



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