

1-KNOT
empowering solutions

ABOUT US

With professional experiences over 20years we provide Instrument and Control solutions for Energy industry specialised in Oil & Gas and Water sectors. Passionate engineers formed 1-Knot in view of providing right solutions that meet requirements, fulfilling quality and safety standards. This is achieved with our engineering ideology of RGB™. The solutions provided are fuelled with process knowledge that we as instrumentation and automation engineers have gained over the years. This drives us to serve our customers with exceptional solution needs.

VISION

To empower solutions

Mission

Provide solutions that meet customer requirements as well international/local standards fulfilling quality and safety requirements.

Why choose 1-KNOT

- We love what we do
- We truly care about your needs
- Leave it to us – we support standing your side
- Our promise to meet your requirements



Values

- Reliable – Our solutions and products are designed as trustworthy catering for customer requirements meeting relevant standards and specifications
- Share – To make the market place better future generations is rooted by sharing knowledge gained over by education and experience.
- Engage – Culture unique to 1-KNOT that embraces & engages employees to be part of our long run.

Solutions

Our turnkey I&C solutions in the areas of metering blending and process automation comes with our years of experience and knowledge. It starts form feed engineering, detail engineering, procurement, construction, commissioning and also continues to install base support.



Metering Solutions

Custody transfer flow metering matters when it concerns buying and selling oil & gas. It is beyond possessing international and local standards but the in-depth immense understanding and experience is what matters when it comes to a successful metering and blending solutions.

With our extensive experience is handling and successful execution of metering projects we provide solutions standing by your side rather on manufacturer side hence creating avenues to increase your profitability.

Blending Solutions

In-line blending is a method to increase the efficiency of products, especially crude. The dynamic control to ensure the end product meets the necessary parameters such as density, viscosity.

Our in-line blending solutions can cater up to 5 streams with efficient recipe control and trim control with no off-spec product. The solution becomes complete with our 1-Knotrol™ blending controller.

Turnkey I&C Works

Our key strengths enhance our success in handling turnkey I&C works:

- Engineering to RGB™ Ideology
- Process Knowledge in Oil & Gas and Water industry
- Project management & risk management
- Collaboration with product manufacturers
- Construction arm
- QHSE management
- Install base support

1-KNOTROL™

In-line blending controller that is suitable for hazardous area outdoor installation with control features up to 5 streams and customisation option for more.

The quick recipe control and smarter trim control with our unique piping arrangement gives no off-spec end product. The controller comes with touch screen for easier user interface and remote diagnostic port. Communicate to plant DCS through Modbus TCP/IP, Serial or OPC.



Options available :

- Mounting features for wall and pole
- Self-powered using solar cells for remote installations
- Expandable number of streams

QHSE POLICY

QUALITY POLICY

Provide Reliable Solutions which fits the purpose or exceed expectations allowing us to Knot with customers.

HSE POLICY



We are committed to provide a safe, healthy and friendly workplace for all our stakeholders. Health and Safety being our prime prerogative, we integrate them in all our business processes.

AUTHORIZED SYSTEM PARTNERS



Turbine & PD Flowmeters / Densitometers / Strainers



Pressure Control Valves / Breather Valves / Flame Arrestors

REGIONAL COLLABORATING ASSOCIATES



CONTACT US

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