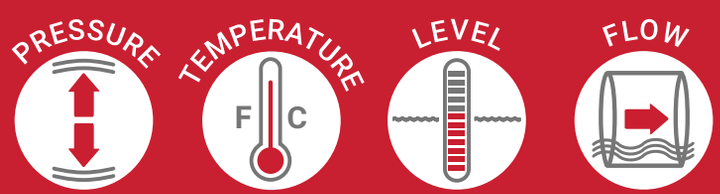
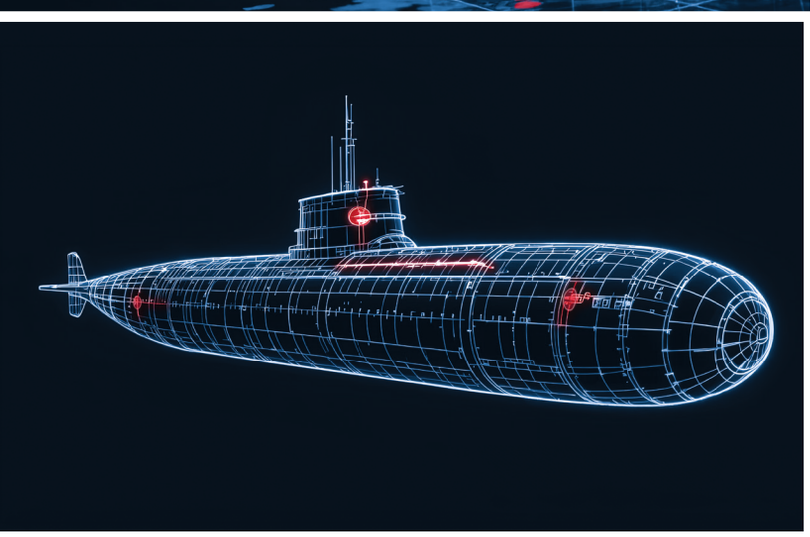
Barksdale®
CONTROL PRODUCTS
CRANE A SUBSIDIARY OF CRANE CO.

Ready. Reliable. Proven.

Mission Critical Sensing for Defence Land / Sea









see the difference.

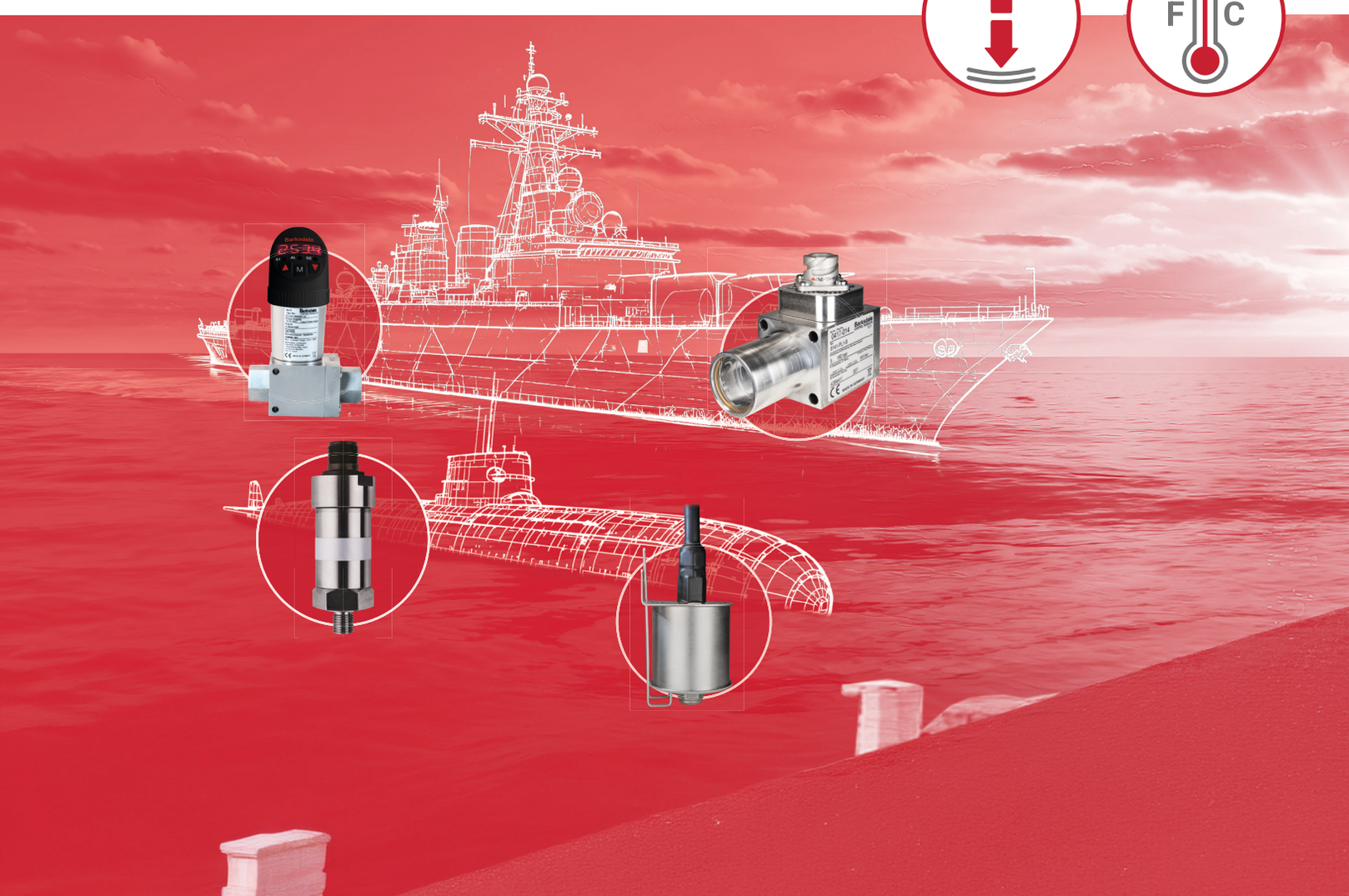
Precision Monitoring.
Proven Reliability

Barksdale is your flexible and dynamic partner, integrating reliably into customer processes with innovative products, efficient process management, and comprehensive service. For over 75 years, we have offered a unique product portfolio for pressure, level, flow, and temperature monitoring. The high quality standard and operational reliability provide ideal conditions for demanding measurement tasks, even under extreme conditions such as in the defence industry.

Engineered to Keep You on Course

It requires a lot of experience and power to navigate successfully on a global scale.
We offer the right advantages:

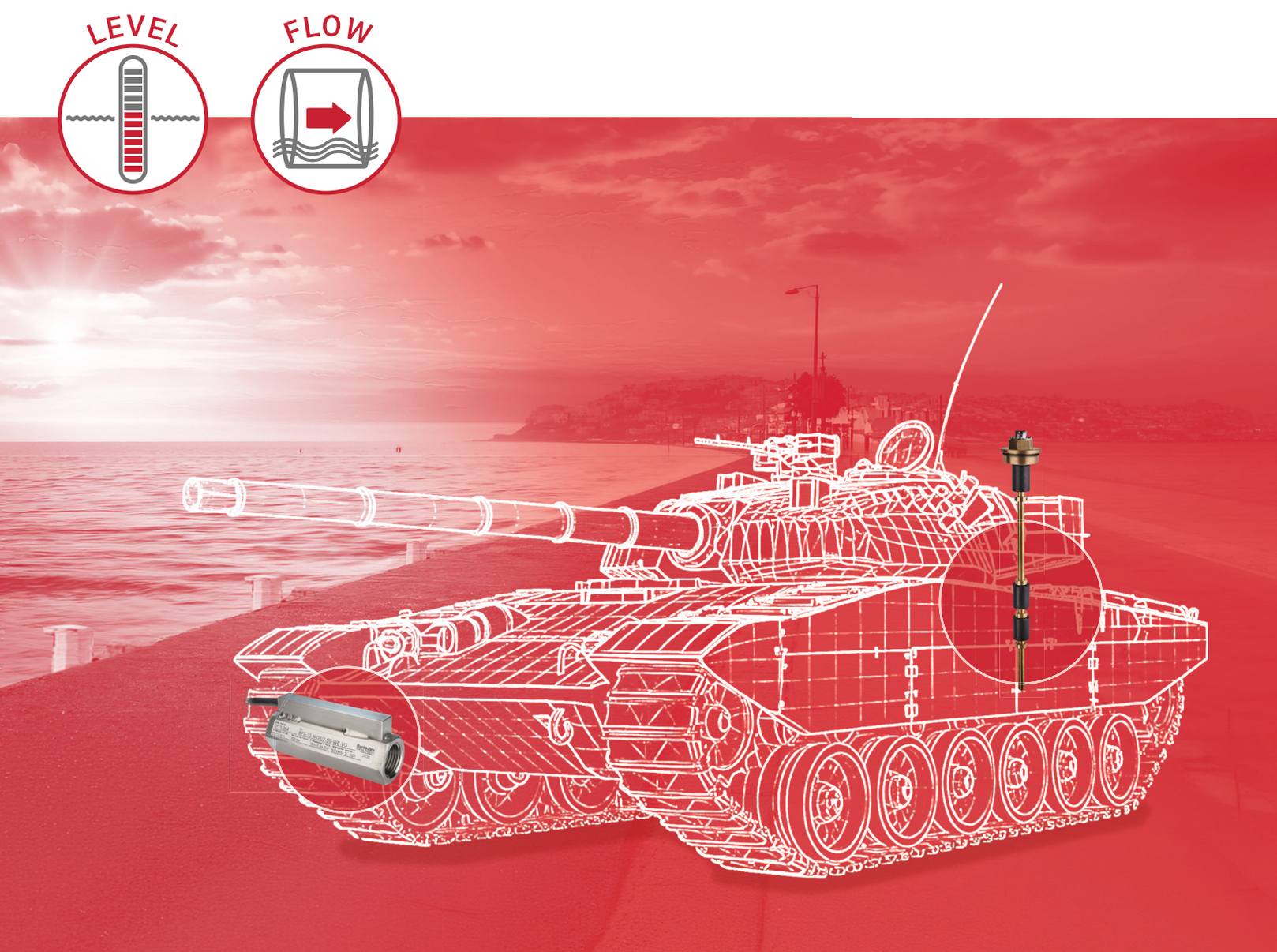
- **Built for mission-critical systems**
- **Partnership from concept to deployment**
- **Long term lifecycle support**
- **Application specific, customized solutions**
- **Seamless retrofit with zero platform modification**



Discover What’s Next

Our product portfolio offers diverse solutions
for a multitude of applications:

- **Tank gauging**
  Level monitoring on fuel tanks, ballast tank, bilges systems, fresh and wastewater systems
- **Propulsion systems**
  Pressure and temperature monitoring on engine, gear boxes, steering and cooling systems, brake systems
- **Hydraulic systems**
  Hydraulic oil pressure and level monitoring on cranes, winches, davits and deck machinery, hydraulic stabilizers
- **Auxilary systems**
  Pressure, temperature and flow monitoring on pumps, compressors, firefighting systems



Approvals at a glance



		Bureau Veritas	DNV	RINA	Lloyd's register	EX	MED	SIL2/3
Mechanical Pressure Switches	B1T / B2T		●			●		●
	D1T / D2T		●			●		●
	DPD1T / DPD2T		●			●		●
	E1H		●			●		
	KLK / KLM*	●	●		●	●		
	Series 8000*	●	●	●	●	●		●
	Series 9000*	●	●	●	●			
Mechanical Temperature Switches	MT1H		●			●		
	ML1H		●			●		
	T2H		●			●		
	L2H		●			●		
Electronics	BDS3000	●						
	BiT		●			●		
	BoT		●					

* EU RO MR Type Approval Certificate



		Bureau Veritas	DNV	RINA	Lloyd's register	EX	MED	SIL2/3
Level Control	BNA/Levelsite®	●	●	●	●	●		
	UNS-S-VA	●	●	●	●	●		
	UNS-VA/SB-VA52	●	●	●		●		
	UNS-VA/SB1-VA52	●	●	●				
	UNS-VA/SB4	●	●	●		●	●	
	UNS-VA/SB5	●	●	●		●	●	
	UNS1000-S	●	●		●	●		
	UNS2000-S	●	●	●	●	●		
	USE3000	●	●	●		USE3200, 6200		
	BLP1		●			●		
BNA/Levelsite® Accessories	XM/Xmi	●	●		●	●		
	XT/Xti				●	●		
	GK03	●	●	●	●	●		
Flow	BFS-10-N	●	●			●		
	BFS-30	●	●					
	BFS-40	●	●					

Pressure



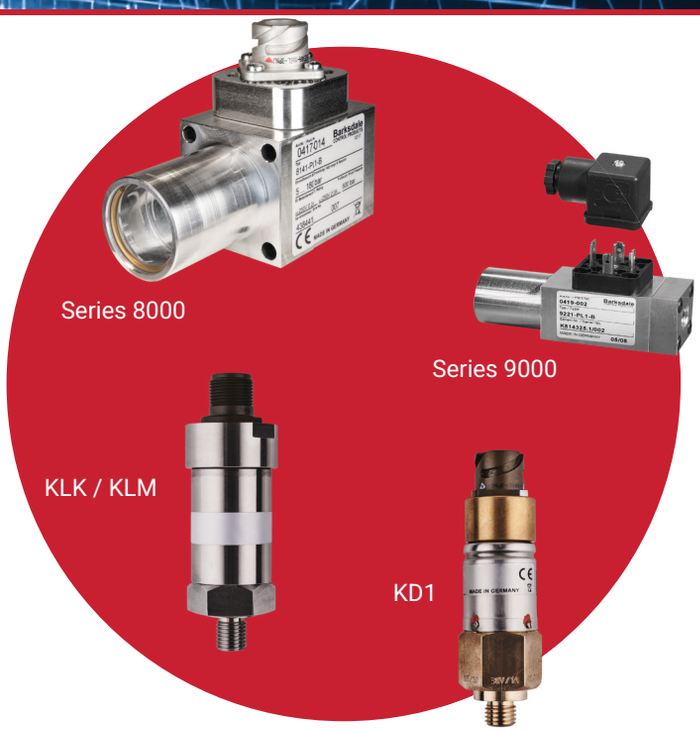
Compact-Pressure Switches

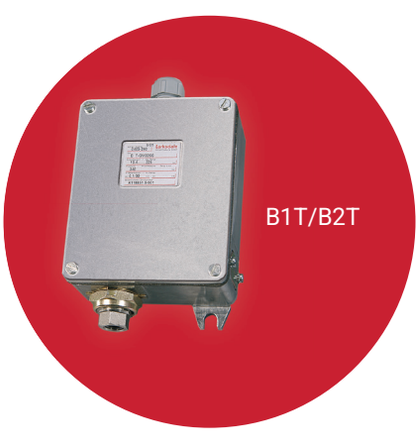
Features

- Adjustable ranges: 1 – 600 bar
- Adjustable or fixed set points
- Compact, rugged, economical
- Approved models available:

Lloyd's Register

SIL 2 SIL 3





High Pressure

Features

- Adjustable ranges: up to 950 bar
- High proof pressure
- Rugged, economical
- Approved models available:

SIL 2 SIL 3

NON-MAGNETIC ■ CORROSION RESISTANT ■ EMI HARDENED ■ SHOCK TESTED ■ MARINE APPROVED ■

Pressure / Temperature



Low Pressure

Features

- Adjustable ranges: up to 34 bar
- Accurate and reliable switch
- Adjustable during operation with corresponding reference device
- Approved models available:



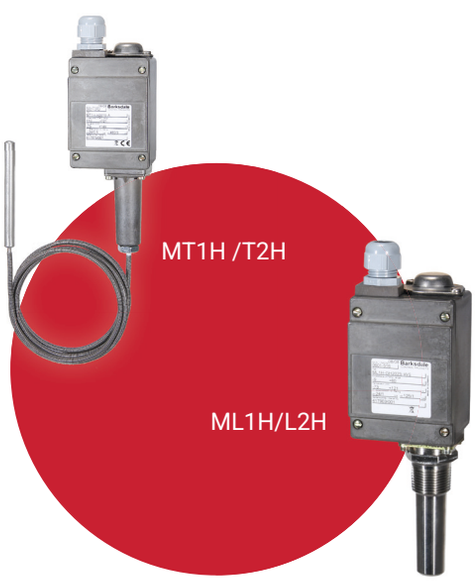
DT Series



DPDT Series



E1H



MT1H /T2H

ML1H/L2H

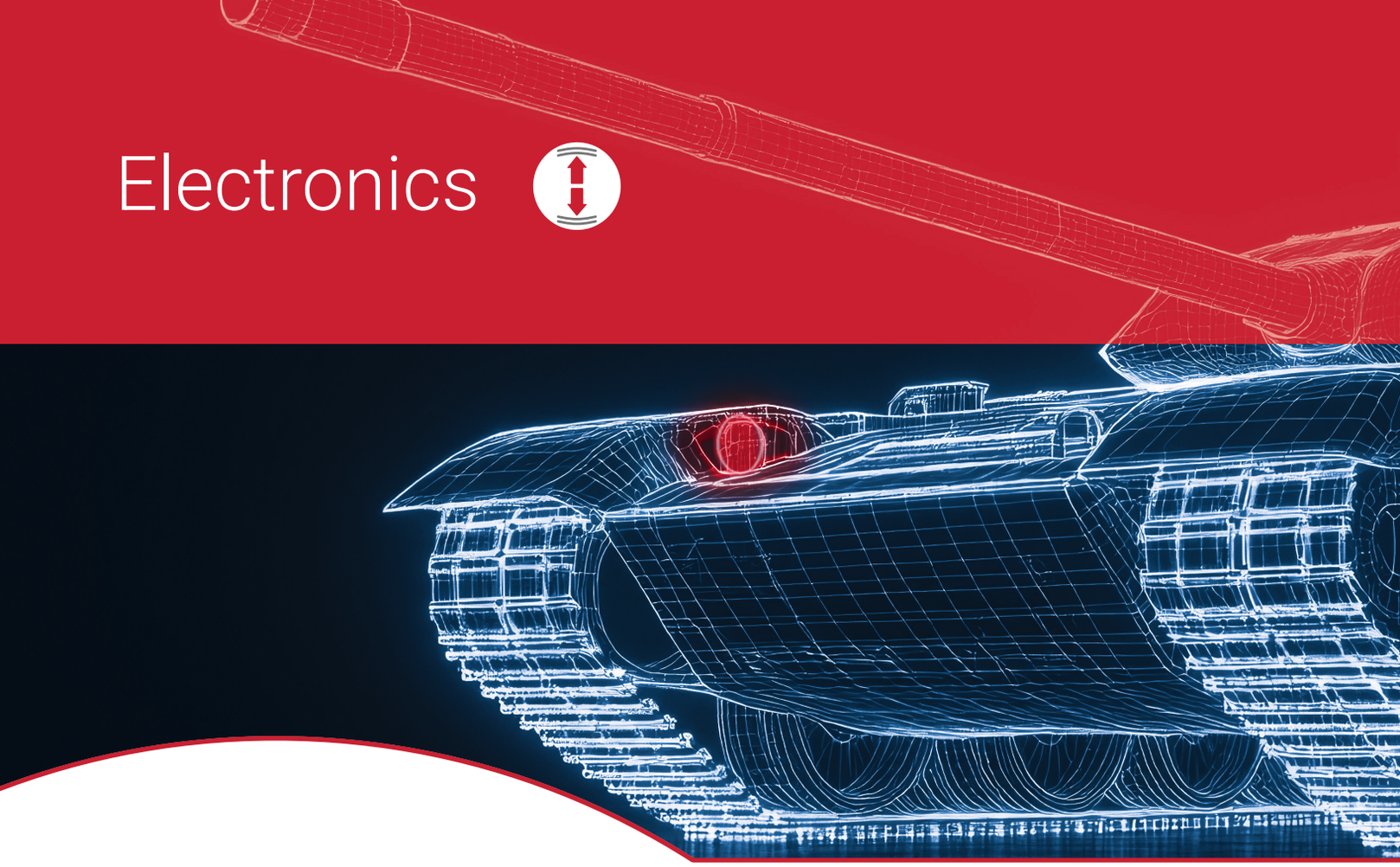
Mechanical Temperature Switches

Features

- Adjustable ranges: -45°C ... 316°C
- Capillary or local sensor
- 1 or 2 set points
- Rugged construction
- Approved models available:

■ NON-MAGNETIC ■ CORROSION RESISTANT ■ EMI HARDENED ■ SHOCK TESTED ■ MARINE APPROVED

Electronics



Pressure Transducers

Features

- Measuring ranges: Vacuum and 0 to 1400 bar
- Operating temperature: - 40 °C to 100 °C
- Rugged 316L and17-4 stainless steel construction
- Modular design platform enables a wide range of options
- High accuracy: up to ± 0.1 % and ± 0.25 % FSO
- Fast response time up to <1ms
- Approved models available:



NON-MAGNETIC ■ CORROSION RESISTANT ■ EMI HARDENED ■ SHOCK TESTED ■ MARINE APPROVED ■

Electronics



Pressure Switch, electronic

Features

- Pressure range: 0…10 bar up to 0…400 bar
- Switch point accuracy ± 0.5%
- Adjustable transistor outputs
- With internal membrane
- IP68 with mating connector
- For pressure control applications with increased ambient load
- On-site programming with software and programming adapter



BPS1000



BDS3000

Differential Pressure Switch

Features

- Measuring ranges:
  Differential pressure:
  0 – 350 mbar to 0 – 35 bar
- System of protection:
  Type 4X (IP65) / Type 6 (IP67)
- 2 switch points
- Analog output 4 – 20 mA or 0 – 10 V
- Superior EMI protection
- Rotatable 320° display & electronical connection
- Approved models available:

BUREAU VERITAS

■ NON-MAGNETIC ■ CORROSION RESISTANT ■ EMI HARDENED ■ SHOCK TESTED ■ MARINE APPROVED

Level Control



Single Level Switches

Features

- One switchpoint (SPST or SPDT reed contacts)
- Vertical or horizontal mounting
- Protection class IP54 / IP68
- Approved models available:



Tank Level Gauging

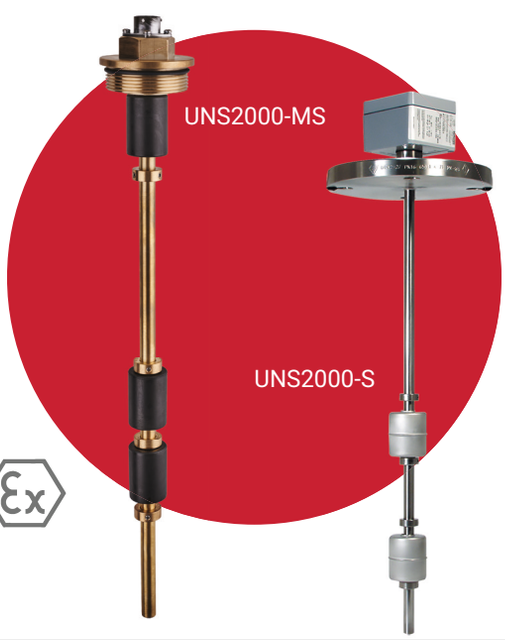
Features

- Continuous level measurement
- Metal and non-metal versions
- Accuracy: 4 – 16 mm version (grid)
- Mounting: vertical or custom made
- Integrated transmitter
- Optional: Interface level measurement
- Output: 4 – 20 mA, 0 – 10 V or ohmic
- Max length from mating surface: max. 6000 mm
- Approved models available:

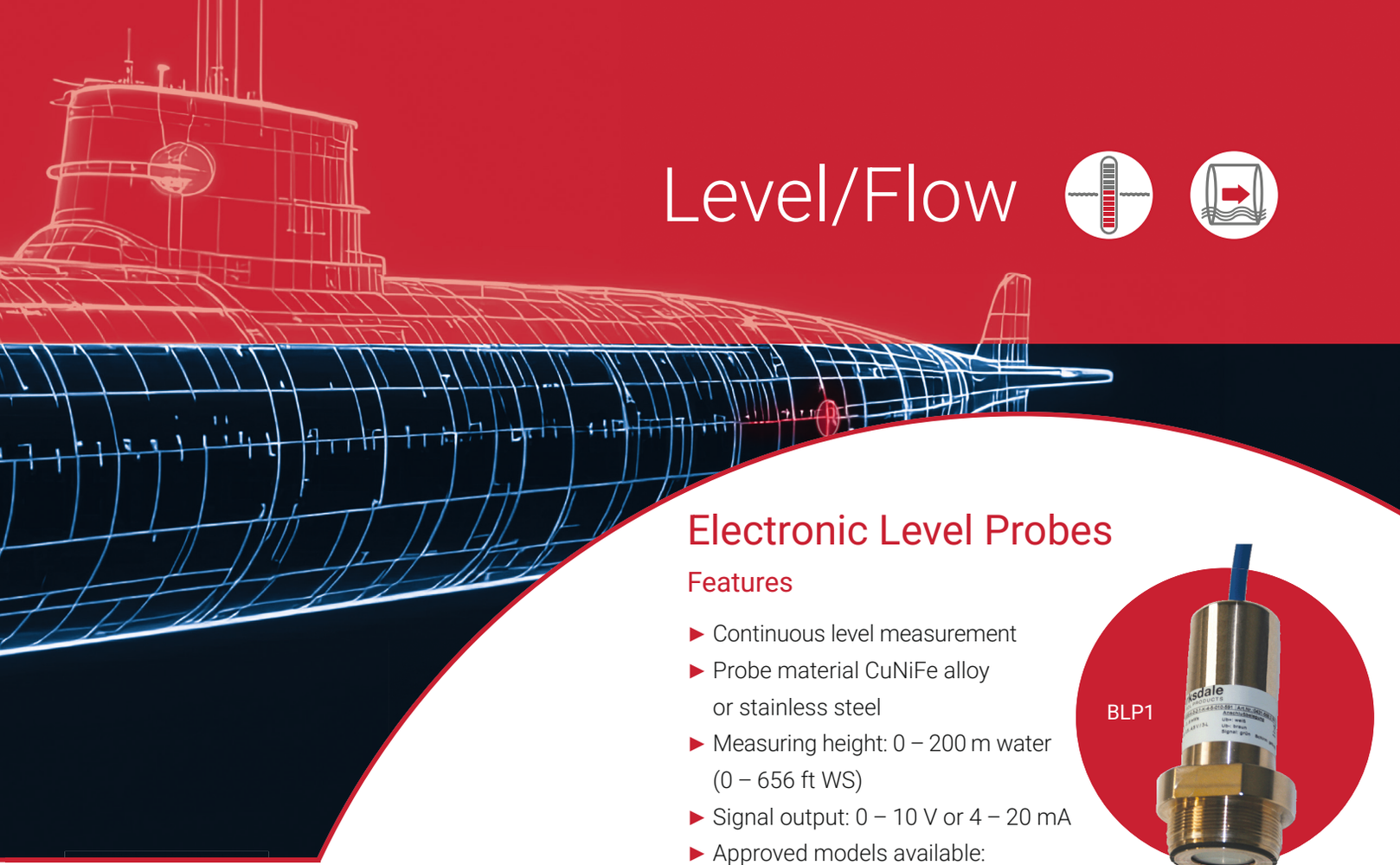
Multi Level Switches

Features

- Up to 6 levels SPST or SPDT reed contacts
- Metal and non-metal versions
- Protection class IP54 / IP68
- Max. length from mating surface: 3000 mm
- Optional with temperature sensor (Pt100) or temperature switch
- Approved models available:



NON-MAGNETIC ■ CORROSION RESISTANT ■ EMI HARDENED ■ SHOCK TESTED ■ MARINE APPROVED ■

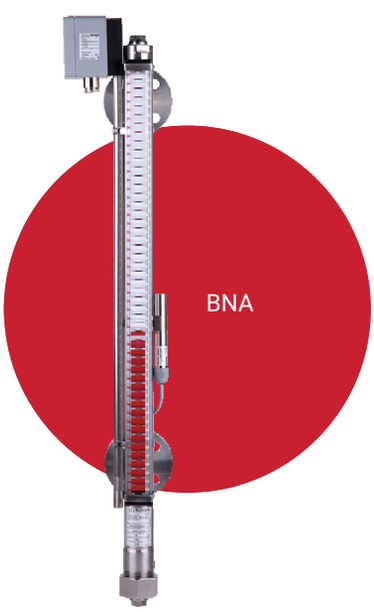


Level/Flow

Electronic Level Probes

Features

- Continuous level measurement
- Probe material CuNiFe alloy or stainless steel
- Measuring height: 0 – 200 m water (0 – 656 ft WS)
- Signal output: 0 – 10 V or 4 – 20 mA
- Approved models available:



Bypass Level Indicators/LevelSite®

Features

- Continuous level indication, purely mechanical, no power needed
- Temperature up to 320 °C
- Operating pressure up to 250 bar
- Stainless steel versions
- Mounting tankside or from top to down
- Max. measuring length: 5700 mm (one piece)
- Optional:
  - Transmitter 4 – 20 mA
  - Interface
  - Bi-stable reed switch usable as limit switch
- Approved models available:

Flow Switches

Features

- Pipe size: G1/4"...G1 1/2"
- Stainless steel or nickel plated brass
- Variable area flow meter
- Calibrated scale with viscosity compensation up to 600 cSt available
- Optional visual indication
- SPST or SPDT output
- Approved models available:



■ NON-MAGNETIC ■ CORROSION RESISTANT ■ EMI HARDENED ■ SHOCK TESTED ■ MARINE APPROVED

Design with Us



Leverage our Engineering Expertise to Make Exactly What You Need

Modify Standard Products for Your Project

Barksdale offers more than 50 product families and millions of configured options to measure, monitor and control processes essential to the industrial, power and transportation markets. We can make basic modifications to these standard products and options to ensure they are exactly matched to the project requirements.

Market-focused. Technology-driven. Customer-intimate.
These elements at the heart of the company philosophy have made Barksdale a synonym for advanced measurement and control solutions since 1949. We continuously adapt our innovations to market requirements and offer customized solutions thanks to our global presence. With facilities in North America, Europe and Asia, we are a leading provider that combines close customer relationships with the highest level of technological expertise. Barksdale is part of the global Crane Co. Group. By utilizing synergy effects, growth and customer orientation are always the focus of all business units. See the difference.

Barksdale Inc. – LA
3211 Fruitland Avenue
Los Angeles, CA 90058
www.barksdale.com

Barksdale GmbH – Germany
Dorn-Assenheimer-Str. 27
61203 Reichelsheim, Germany
www.barksdale.de

Barksdale – China
33F Huaihai Plaza, No 1045
Central Huaihai Road Shanghai
200031, P.R.China

Visit Barksdale.com to view our complete product portfolio.

Subject to technical change. Art-No.: 923-3018 Index: ---