

The logo for Able, featuring the word "ABLE" in a bold, white, sans-serif font. The letter "A" is stylized with a triangular shape on its left side. The text is set against a background of vibrant, overlapping, wavy bands of color in shades of orange, red, and yellow.

MEASURE | CONTROL | MANAGE

# Company Overview

We want our customers to benefit from our experience, expertise and independence. The depth of instrumentation knowledge and our ability to apply a diverse range of technologies has established ABLE as a leader in providing the right solution, whatever the requirement. In short, being able to make your measurement is more than what we do, it's who we are.

### **Vision**

#### ***To supply solutions, not just product.***

To provide the optimum solution to measure the primary process variable whether using an 'out of the box' instrument or a bespoke designed system.

#### ***To fully support our customers.***

To ensure comprehensive engineering and support capability throughout the solution providing process and over the lifetime of the equipment.

#### ***To bring value.***

To provide high quality equipment and service, expertise and support, and the best possible commercial solution.

### **Foundation**

ABLE Instruments & Controls was founded to fill the void created by the rigid supply nature of instrumentation manufacturers and the lack of engineering and support capability exhibited by traditional representative organisations.

The experience of the company founder and CEO whilst working within both types of organization and, more importantly, the frustration of customers when searching for a solution to their measurement requirement, directly lead to the formation of the company in 1985.



## Evolution

ABLE is a success story, realising the original concept on which the company was founded. In our third decade of operation we are proud to reflect on our achievement and continued growth.

**1991**

### **Quality Matters**

Initial ISO9002 accreditation, encompassing stock holding and supply of instrumentation products and value added manufacture including ABLEs own range of Relative Humidity and Temperature sensors.

**1995**

### **Design & Build**

Design, development and manufacture of ABLEs Custody Transfer Metering (CTM) System is completed. Designed for oil offload metering from offshore floating production vessels, the resulting sales drive the company to continued investment in product design and development.

**1997**

### **Support is Everything**

Test, repair and calibration facilities built at Reading to support our customers and augment our in-house and field based technical services team.

**2004**

### **Major Project Awards**

Flow & level equipment supply contracts awarded for both Buzzard (UK) and Tengizchevroil (Kazakhstan), each in excess of £1M. Scope includes cabinet builds, fibre optic links, mechanical installation packages and site service support.

**2006**

### **Scottish Devolution**

Offices and dedicated Training Centre with fully instrumented hands on rig opens in Dyce, Aberdeen. Strategic support to the heart of the UK oil & gas sector.

**2012**

### **Success by Numbers**

Completion of the Gorgon Project (Australia). At a value in excess of \$10M, a landmark achievement as the largest single contract to date.

**2013**

### **Continued Expansion**

Purchase of the adjacent building in Reading provides additional space for further product development and enlargement of the engineering and support team.

**1985**

### **The Journey Begins**

ABLE Instruments & Controls established as a limited company, initially operating from a business unit at White Waltham Airfield, Maidenhead.

**1989**

### **A Firm Footing**

Premises purchased in Reading, providing office, workshop and warehouse facilities.

**1994**

### **Packaged Solutions**

Independent package procurement commences with a varied flow metering package for the BP Andrew platform. Main Instrument Vending (MIV) grows rapidly in the ensuing years.

**2002**

### **Quality Doesn't Stand Still**

ISO9001 accreditation achieved, not just a paperwork exercise but a commitment to quality management, ensuring best practice in all areas of the business.

**2005**

### **Unconventional Measurement**

When conventional technology won't work, design a solution. The ABLE SlugMaster® combines diverse ultrasonic flowmetering technology to operate with clean, dirty, compressed, gaseous and aerated liquids.

**2010**

### **Solution Providing at its Finest**

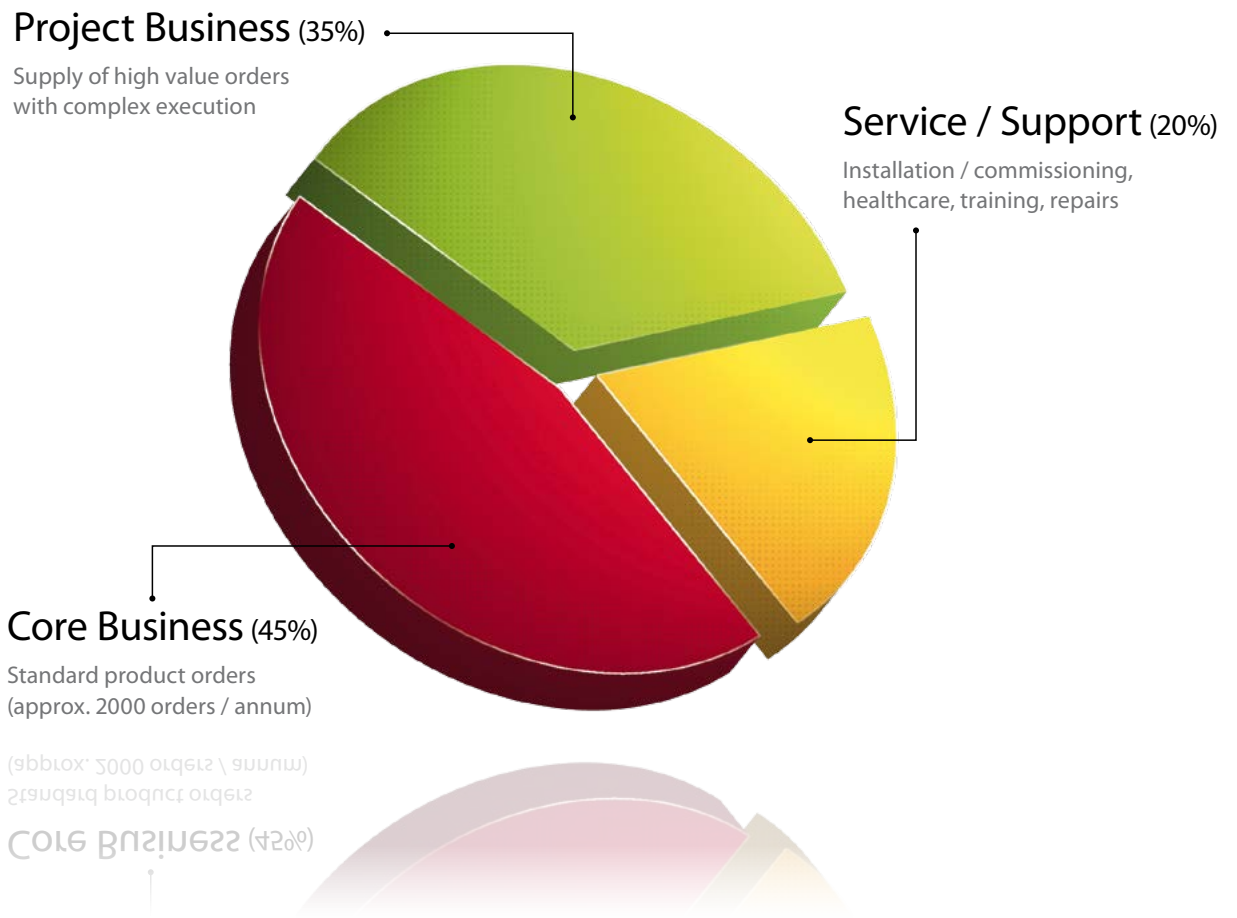
More bespoke products developed to solve problem measurements: the worlds first ATEX approved portable flowmeter; v-Trakka™ valve position transmitter; 'growth monitor' level transmitter system; plus an enhanced design of SlugMaster®, evolving to become the MudMaster™.

## The Future...

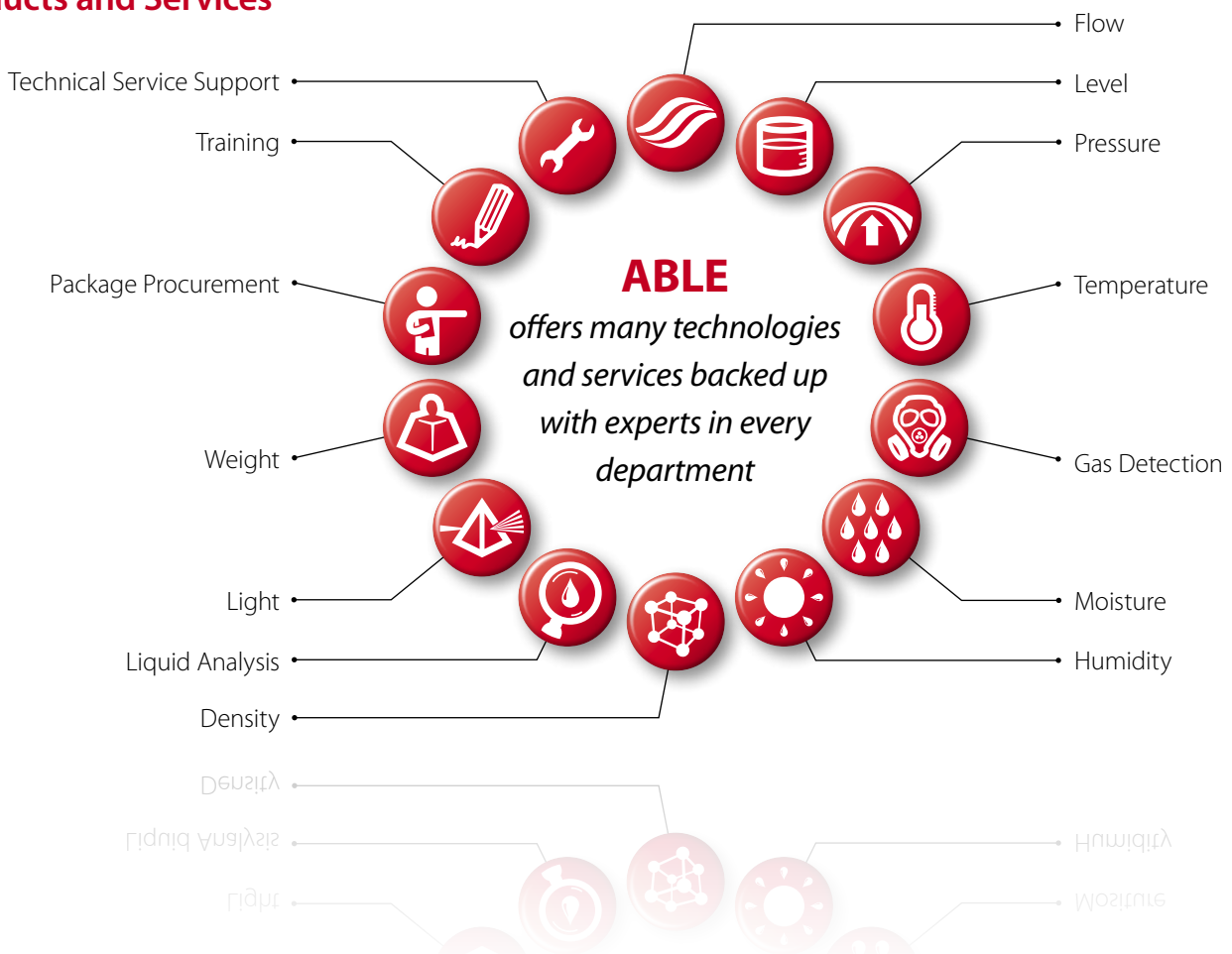
Thanks to our many valued customers and partner companies, we look forward to continued success for many years to come.



## Business Model



## Products and Services



## Market Areas

ABLE supply many different industries with our portfolio of instruments and controls. Years of experience enable an inherent understanding of the requirements of these sectors and most importantly the ability to correctly apply fit for purpose equipment. Examples of the areas we serve and our application knowledge are detailed below:-



### Automotive

Throughout the changing history of the Automotive industry, critical measurement applications prevail – not only in control of production areas like paint shops (re-circulation and spray gun feed line flow; tank levels; drying environment humidity etc), but performance verification in the crucial domain of Research and Development, for example efficiency measurements on engine test beds. ABLE can offer a full range of solutions.

### Chemical

Demanding industrial sectors require high quality, reliable equipment. When measuring dangerous, toxic, noxious or lethal chemicals or those of highly unstable nature, safety in process control and shut down is of obvious importance. Achieving critical measurements of chemicals such as phenol, ammonia, chlorine, methanol, acids, solvents, latex, elastomers etc from constituent parts, through the manufacturing process (including reaction vessels) and onto safe handling and storage, ABLE has the understanding to provide the compatible solution, whether non-invasive or in contact with the process.

### Food & Beverage

Many demands are made of physical measurement instrumentation due to hygiene and material compatibility with foodstuffs as well as accuracy and repeatability for recipe and batch control. Instruments from ABLE can be supplied with hygienic designs, sanitary fittings and food approvals as well as suitability to withstand clean in place procedures. Completely non-contact instrumentation can also be provided for level, flow, density and weight, plus a full range of moisture equipment to ensure cereals and powders remain in specification.

### H.V.A.C.

A comprehensive range of humidity and dew point technologies, plus energy metering and water meters demonstrates ABLE's prowess in heating, ventilation and air conditioning measurements. In addition sensors for building management services (BMS) complete a full range of products specifically designed for this environment.

### O.E.M.

O.E.M.s exist in many guises, but particular instruments such as pressure, temperature, flow & level switches and gauges lend themselves well to this sector for use on pumps, generators and other skid mounted industrial equipment as well as being integrated into systems for building management, fire protection and material handling. Re-designing or own labeling of equipment to meet an O.E.M.s requirements and supply in large quantity or against call off contracts are all within ABLE's capability.



#### Oil & Gas

The backbone of ABLEs experience, offshore and onshore oil & gas and downstream petrochemical applications have been solved many times by our dedicated application engineers. From exploration and drilling, through to separation and refining processes, we have equipment and intrinsic knowledge to measure at all points including: mud flow, level & density; bulk and interface liquid levels; gas compression, water injection and chemical additive processes; flare gas metering; oil in water and water cut; offload metering and overboard dump; produced water and utilities; mercury vapour and gas detection; catalyst and cracker columns; even subsea applications have been solved.

#### Paper

From pulp through to recycling and printing, the paper industry presents many difficult measurement challenges due to the varying material states during production and use. The need to measure flow, level, density, humidity, moisture and weight through liquid, slurry and solid stages requires a portfolio of instrument technologies to ensure consistent product results – a product portfolio such as ABLEs.

#### Pharmaceutical

Active and inactive materials used in the manufacture of pharmaceuticals, cosmetics, toiletries and specialized skin care products often change hands many times prior to completion of the end product. Throughout the manufacture and distribution chain there are numerous opportunities for contamination mitigated by accurate measurement using ABLEs range of hygienic or completely non-contact measurement solutions.

#### Power

From combined heat and power (CHP) plants, to oil and coal fired, gas turbine and nuclear power stations, many complex measurement puzzles need to be solved with reliable robust equipment. Boilers, de-aerators, steam, cooling water, precipitators, fly ash, flue gas, intake and outfall are just a few of the areas and medias encountered and instrumented by ABLE over the years.

#### Water

The water industry is more than just water. ABLE has significant expertise in odour detection and management for both fixed and portable installations at waste water and treatment plants. Of course the measurement of water flow and level in full and partially filled pipes, tanks, open channels, ring mains, rivers and reservoirs is also readily achieved with a variety of both contact and non-contact instrumentation.

#### ABLE INSTRUMENTS & CONTROLS LTD

**Reading Office**                      **Aberdeen Office**  
Tel: +44 (0)118 9311188              Tel: +44 (0)1224 725999  
Email: info@able.co.uk              Email: ab@able.co.uk

Internet: [www.able.co.uk](http://www.able.co.uk)