



# Elmar

Products  
and Services

Elmar | NOV Completion & Production Solutions

ASEP · Elmar · DynaWinch · Artex



# Creating the Complete Wireline Solution

Our vision is to be globally recognised as the supplier of wireline equipment products, after sales support and training against which all others are measured.

The Elmar product range covers wireline trucks and winches, masts, wireline pressure control equipment, slickline tools, flow control equipment, hydraulic control units and tubular products. High quality Elmar™, DynaWinch, Artex and ASEP equipment are manufactured in our seven major plants. We can provide a wireline service company with the full package it needs to perform an intervention – from the winch unit to the pressure control to the tools. We have equipment to suit any need but the one thing that all our products have in common is that they can be relied upon.



## After Sales and Service

Elmar's after sales team is available 24 hours a day enabling an immediate global response to client needs.

Since its inception in late 2010, Elmar's after sales Department has played an extremely important role in the growth of our business and has differentiated us from other suppliers of Well Service Equipment. Worldwide, the after sales team has a workforce of over 100 people, which is increasing steadily as our

business grows. We have after sales dedicated management and support teams based in the USA, Canada, UK, Netherlands, Singapore, Australia, UAE, Saudi Arabia, CIS and Norway. These support centres help maximise the efficiency of our customers' operations anytime, and anywhere, in the world.

Elmar utilizes a unique after sales software system, enabling support cases and customer queries to be monitored globally, ensuring cases are handled

professionally, and avoiding recurrences. In addition we have a dedicated professional engineering team to support our clients. This is a significant differentiator in the marketplace and demonstrates our level of commitment to provide high quality services as well as products.

For after sales support visit [www.nov.com/Elmar](http://www.nov.com/Elmar) and click After Sales Support Request or call us at one of the regional numbers indicated.

### After Sales Products and Services

- Worldwide service
- Support, service, commissioning and spare parts
- WPCE service, maintenance and recertification
- Wireline unit/truck and mast maintenance, refurbishment and recertification
- Rental of WPCE, wireline units, masts and ancillary equipment
- Spooling, wire supply and maintenance service
- Training



## ASEP Products

We have been making high quality wireline equipment since 1981, of which much is still in use. Our customers can choose from a range of certification levels for their ASEP products including zone II, CE/ATEX and various DNV and EN standards. Our Automation Products group designs and manufactures the SmartMonitor and LineMinder control panels, as well as the technology behind our now field proven fully electric e-winch design.



Skid mounted units, combination crane and winch units, and power packs



### ASEP Products

- Skid mounted wireline units
- Truck mounted wireline units
- Combination winch and crane units
- Powerpacks
- Spooling units
- Accessories
- LineMinders and SmartMonitors





## Focused on ever changing customer needs - Artex and DynaWinch wireline trucks

We offer a range of customised DynaWinch products from our Calgary, Canada manufacturing centre. The products are supported globally by Elmar's sales and after sales group and by our dedicated Canadian service centres in Calgary and Edmonton. Products are assembled on both North American and European chassis, and are built for either desert or extreme cold weather conditions.

### DynaWinch products

- Custom designed logging and slickline trucks
- Swab rigs
- Combined mast and derrick units
- Integrated crane and winch units
- Extreme Arctic and desert environment units
- Specialised support vehicles and containers

Artex manufactures a range of wireline trucks at the Brenham, Texas facility. We take pride in our trucks which are custom built by experienced craftsmen to a very high standard of finish, and they are supported by a dedicated after sales team based at Brenham and available to support all our customers' needs. Our units are thoroughly tested in our test well, and with our service offering will last for many years.

### Artex products

- Custom designed logging and slickline trucks
- Combined mast and derrick units
- Integrated crane and winch units
- Specialised support vehicles and containers

Elmar masts are reliable and safe. We offer a range of offshore and truck mounted masts from 35 ft to 95 ft, and to suit all requirements, be they restricted lifting capability, reduced deck area or Zone I area usage. We recommend the mast operations training provided by our after sales team, which will ensure that your team can carry out a competent and efficient operation.

### Elmar Product Line - Masts

- Slickline mast units
- Wireline mast units
- Truck mounted wireline mast units

## Offshore and truck mounted mast units

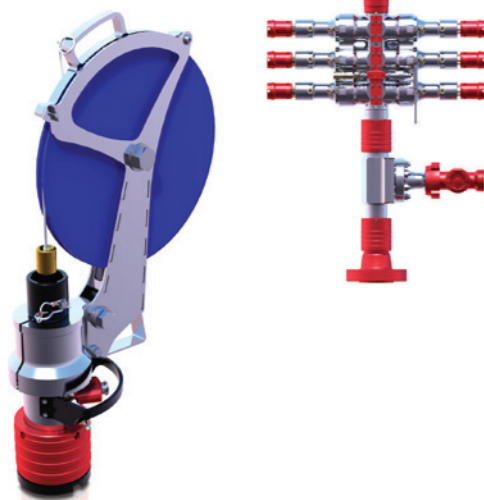




We manufacture pressure control equipment from 3,000 psi up to 30,000 psi working pressure, all of which has been subjected to a full design review and is available with a certification pack which can be downloaded at any time from our secure website. To ensure that your WPCE products remain fully certified and in top condition we offer a full range of OEM spares and hold significant stock levels globally.

**Elmar WPCE products**

- Electric line and slickline pressure control equipment
- Slick coated E-Line and large diameter cable pressure control equipment
- Wireline Shear and Seal Valves - WSSV
- Accessories
- Horizontal tree isolation plugs



Elmar control units have been in manufacture since 1981. We supply a range of air, diesel and electric driven units for all environments and applications.



**Wellhead Control products**

- Hydraulic control units
- Grease control units
- Combined grease and hydraulic control units
- Pressure testing workshops
- Test and injection units
- Subsea umbilical reelers
- Accessories



Elmar manufactures a wide range of slickline tools, to a very high quality standard. The Elmar range is comprised of all standard conveyance tools and advanced tools such as power jars (hydraulic and spring), mechanical combination tools and mechanical tubing punch perforators.

The universal pulling tool is a field proven alternative to conventional pulling tools and reduces the amount of tools required in a toolbox, owing to its adjustable core length and the ability to change its mode of shearing. The brand new Roller Conveyance System (RCS) enables access to highly deviated well bores with its simple, robust design. Tools can be manufactured with QLS, HD or SR connections, or as an alternative with Elmar's high strength Breach Lock connection.

**Wireline Tools products**

- Conveyance
- Fishing
- Debris removal
- Tubing punch
- Bespoke

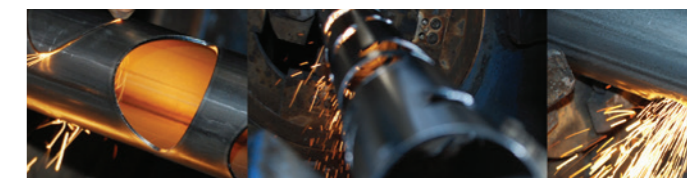


**Elmar Flow Control**

We manufacture and supply a wide range of flow control items, for tubing sizes from 2 3/8" through to 7". The equipment can be custom designed to suit specific projects and is suitable for most well types including high value, high pressure subsea completions.

**Flow Control products**

- Locks
- Plugs
- Landing nipples
- Isolation sleeves
- Valves
- All necessary pulling and running tools



Elmar manufactures tubular completion equipment to client's own drawings and specifications. All tubular manufacture is subject to agreed and documented quality assurance processes, and relevant certification and documentation is provided. Our three tubular product lines are Perforating Guns, Slotted and Holed Casing, and Screen products. For further information contact your local sales representative or visit [www.nov.com/Elmar](http://www.nov.com/Elmar).

**Manufacturing of Tubular Perforating Gun Hardware**

Elmar has been manufacturing perforating gun hardware and accessories since 1989 and currently has a total capacity of approximately 55,000 feet of production per month between the Dubai and Aberdeen plants. Where applicable, the guns meet requirements including API, NACE NPD and EEUMA and are certified by a Third Party certifying authority.

**Holing and Slotting of Casing**

Elmar slotted and holed liners are manufactured on specially designed multi-spindled machines that assure a high level of machining accuracy whilst maintaining metallurgical properties through the continuous application of coolant during the cutting process.



**Manufacturing of Screens**

Elmar has been producing wire wrapped screens under licence since 1995 and has a capacity of 150 joints per week, with a range of base pipe sizes from 4" to 9 5/8".

Documents are maintained for customer assurance of full traceability of materials and control of procedures.

## Manufacturing Locations:

### Elmar - UK

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#### (DynaWinch Products)

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## Representative Offices:

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