



Technical Resourcing and Services to the Global Energy Industry

Fulkrum Technical Resources (FTR) is a global leader in the provision of inspection and expediting services and the supply of specialist Quality Assurance and Quality Control personnel to the international upstream and downstream oil and gas industry.

We partner with our clients throughout the project lifecycle, bringing together specialist experience and an industry understanding that spans the entire energy supply chain, from feasibility, FEED and detailed design, through to procurement, fabrication, construction, commissioning and beyond.

During the past decade we have provided services in support of numerous energy projects and our global presence continues to afford some of the industry's major operators and their flagship projects the most resourceful, reliable, cost-effective and proven solutions in the industry.

Our expansive network of experienced and qualified professionals, all of whom can be called upon at short notice, gives our clients a fundamental advantage where local knowledge, working practices and language can be a significant influence on successful project delivery.

Why choose to work with Fulkrum?

Global presence

FTR is operational on every continent, in more than 25 countries, with staffed offices in the US, UK, UAE, KSA and Malaysia, covering all time-zones.

International network

FTR clients have immediate access to our global resource of more than 1.6 million experienced and skilled professionals giving them significant competitive advantage.

Dedicated service

All clients have dedicated and highly attentive primary and backup account managers, who are at your service 24 hours a day, seven days a week. That is industry-leading levels of customer support.

Effective communication

As part of our commitment to our clients, FTR staff communicate with accuracy and clarity, honesty and openness, confidence and respect. We don't do grey areas.

Commitment to quality

Under our ISO9001 certified quality management system, FTR has an absolute commitment to quality in every aspect of its service provision.

Industry authority

Our growing international reputation is built on a collaborative approach which anticipates and meets your quality, safety, compliance and performance needs with consistency and reliability.

Immediate availability

Unlike our competitors, we have no minimum lead time. Our network of professionals can be called upon at short notice enabling us to support next or even same day assignments.

Competitive costs

Our innovative approach enables us to pay comparable rates while keeping margins low, ensuring that we continue to offer clients excellent value without compromising on quality of service.



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Construction

FTR take the time to listen to our clients needs and ensure that we are fully briefed so that we understand the project requirements and sensitivities.

[Our construction experience spans to:](#)

- > Fabrication Yards
- > Ship Yards
- > Refinery and Petrochemical Plants
- > LNG, GTL and LPG Facilities
- > Offshore and Onshore Pipelines
- > Power Stations

Global networks with local knowledge

Without adequate available resources, even the best planned projects grind to a halt. From our global network of more than 1.6 million skilled professionals, FTR can meet our clients' requirements in any environment. With experience gained across a range of mega-projects, FTR understands the dynamics of major construction sites and the demands that result from managing all aspects. Our experienced personnel work in unison with your existing teams and other contractors on site, ensuring efficiency levels are maintained at all stages of Construction.



Fulkrum provides services in support of numerous global energy projects, with operations taking place throughout the world. Our global matrix of experience coupled with our vast network of Quality professionals affords our Clients with a comprehensive experience portfolio when undertaking new projects.

Our philosophy of project delivery is not simply defined as a service provider, but as a Client partner giving them access to our past project history and site location experience which extends globally.

We pride ourselves on adding value to our Clients and look to build long lasting relationships.

[To support our clients' construction needs, we provide a range of personnel disciplines including but not limited to:](#)

Welding (CSWIP, AWS, CWI, IWE, EWE)	Coating and Painting (NACE, BGAS, ICORR, FROSIO)	Mechanical Techs & Inspectors (IMECH, ENGDIP / CERT, BENG, CENG)
E&I Techs & Inspectors (ATEX, COMPEX)	NDT Inspectors (AUT, UT, MPI, DPI, RAD)	Commodity Specialists Umbilicals / Flexibles, Valves, Rotating, Tanks / Vessels, Skids
Document Controllers	Material Controllers	Heavy Plant Operators
Crane Operators	Commissioning Engineers	Civils



Support Services

In addition to providing a global resource of pre-screened high calibre candidates, Fulkrum also provide all of the requisite support services to enable our clients to focus on their own core business activities.

As required by our clients, we can fully manage and coordinate mobilisation and rotational travel including booking and paying for flights, hotels, hire cars and other associated elements, and can also fully manage visa applications including representation at Embassies and Consulates.

Case Study

Project
Marine Well Containment System

FTR Client
Technip

As a long-time partner to Technip, FTR supported this high profile project across the supply chain spanning a number of locations worldwide. Over a period of more than two years, FTR resources were utilised in locations throughout the US and Europe during procurement in addition to a team of skilled engineering professionals being deployed at Technip's TOF facility in Pori, Finland.

The FTR team provided support throughout fabrication and assembly of the main structure leading to sailaway on time and in budget.

Case Study

Project
Isle of Grain Phase 3 Expansion

FTR Client
Murphy Pipelines

FTR were called upon to work on this critical facility upgrade, providing a range of resources to supplement the clients own in house talent pool.

FTR's team slotted seamlessly into the existing workforce on site, covering a 24/7 working to meet a demanding construction schedule. This contract was executed in an efficient and safe manner with zero lost time accidents and the facility able to go live on the pre-planned start-up date without any budget overrun.

Technical resourcing and services to the global energy industry' FTR works in collaboration with our clients, providing them with a competitive edge in delivering successful projects. We afford our clients immediate access to a global resource, maximising their capabilities and ensuring safe, timely and cost-effective projects. FTR can provide support from initial feasibility and design through to final execution and operation.

Floating Production Systems



Meeting the challenge of remote and deepwater projects

Oil and gas discoveries are being made in deeper waters, remote from other infrastructure, in more extreme climatic conditions, this has called for progressively advancing strategies in order to deliver a consistently robust production capability. The floating production sector addresses key infrastructural and technological challenges, and consequently is one of the most capital-intensive areas of the oil and

gas market. With knowledge gained from a broad range of projects across the world, FTR has the experience to deliver reliable solutions to the pressure points associated with floating production systems (FPS). Our skilled professionals can support your project on a specific scope or as a turnkey package, from FEED and procurement through to construction and commissioning.

Our FPS experience includes:

Asset Type	Operator	Project
FLNG	Shell	Prelude
FPSO	EnQuest	Kraken
FPSO	Total	Kaombo
FPSO	Shell	Stones
FPSO	BG Group	Knarr
FPSO	Inpex	Ichthys
FPSO	ENI	Offshore Cape Three Points
Tension Leg Platform	Ithaca Energy	Greater Stella Area
Tension Leg Platform	Hess Corp	Stampede
Tension Leg Platform	Chevron	Bigfoot
Tension Leg Platform	Chevron	Jack St Malo
Spar Hull	Anadarko	Lucius
Spar Hull	Anadarko	Heidelberg
Spar Hull	Hess Corp	Tubular Bells
Spar Hull	Statoil	Aasta Hansteen

FTR has experience of most of the world's major shipyards, fabrication yards and offshore / marine facilities, meaning that our trustworthy resources are based proximal to the job location mitigating travel expenses and visa complications whilst also reducing response times and bringing increased knowledge of local working customs. In addition to supplying teams for both construction and Quality Control, FTR's remote support teams will manage all associated activities such as mobilisations and visas where necessary.



Case Study

Project
Kraken FPSO

FTR Client
Bumi Armada

Fulkrum were invited to provide support services at all stages of the project lifecycle and spanning the full length of the supply chain.

FTR's expertise was called upon in a number of locations in both Europe and the AsiaPacific regions, giving the client instant access to highly experienced and mobile resources. Fulkrum supported the project in the following capacity:

Procurement

FTR QC resources attended vendor sites to participate in pre-inspection and to kick off meetings before commencement of production, including critical input into the project ITP and production quality plan.

Once production began, FTR's expert team provided client oversight during manufacture and testing of all critical commodities before sign-off and shipping.

Fabrication

FTR provided QC resources to monitor module fabrication at Dyna-mac's Singapore facility. Our Inspectors were present throughout all critical stages of production giving the client real-time visibility on progress and standards.

Construction

A team of FTR's highly skilled experts were deployed to the Keppel Fels shipyard in Singapore where the FPSO was being assembled. Our primary scope focused on module integration and commissioning, with a large number of inspectors and engineers seconded to the clients' on-site team.

Commissioning

After the FPSO had departed the shipyard for its final destination in the UK North Sea, FTR personnel were utilised throughout the voyage to execute testing and commissioning activities in preparation for first oil.

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Offshore

Deeper understanding of offshore projects

The offshore environment is widely regarded as the most demanding. FTR understand the dynamics involved and have the resources to enable our clients to successfully execute their offshore campaigns in a safe, efficient and timely manner. With experience gained across a range of project types, we have supported our clients worldwide in all offshore areas from the Gulf of Mexico, Caribbean, Campos Basin & West African deep-water basins, through to the North Sea, Mediterranean, Indian Ocean, South China Sea and Offshore Australia.

> With actual experience of most offshore contractors' fleet, our seasoned offshore personnel can deploy to any location on short notice to support your needs. FTR's skilled Coordination teams can manage assembly of full offshore teams, and take away the stress of organising mobilisations, seaman's books, offshore survival courses, medical certification and visas.

> FTR take the time to listen to our clients needs and ensure that we're fully briefed so that we understand the project requirements and sensitivities.



Our range of offshore experience spans:

- Pipelay**
 - > S-Lay (shallow and deepwater)
 - > J-Lay
 - > Flexible pipelay & cable spooling
 - > Shore-pulls
- Offshore Inspection**
 - > QC Inspection
 - > Rope Access (IRATA)
 - > ROV
- Crane Operations**
 - > Heavylift
 - > Wind Farm Construction
 - > Subsea



Fulkrum can support your requirements whether it is for a team of QC Inspectors to monitor Welding, NDT & Coating during pipelay, a Client Rep to provide essential oversight in monitoring adherence to project specifications & standards during lifting activities, or an ROV team to execute subsea integrity inspection work.

To support our clients' offshore needs, our personnel carry a wide range of requisite certification including but not limited to:

Welding (CSWIP 3.1 & 3.2, CWI, IWE / EWE)	Coating and Painting (NACE, BGAS, ICORR, FROSIO)	NDT (AUT, UT, MPI, DPI, RAD)
E&I (ATEX, COMPEX)	ROV Operation (CSWIP3.4U)	HSE NEBOSH

Support Services

In addition to providing a global resource of pre-screened high calibre candidates, Fulkrum also provide all of the requisite support services to enable our clients to focus on their own core business activities. As required by our clients, we can fully manage and coordinate mobilisation and rotational travel including booking and paying for flights, hotels, hire cars and other associated elements, and can also fully manage visa applications including representation and Embassies and Consulates.

Case Study

Project
Petrobras - Rota Cabiunas

FTR Client
Allseas, Van Oord and TATA Steel

Large scale pipelines are extremely demanding and often involve many parties conducting separate but dovetailing scopes of work. This strategically important project involved construction of a 380-kilometre-long gas export trunkline, for which FTR were called upon by a number of major Clients to support the following activities:

Onshore

Following prior involvement in supplying vendor surveillance at Tenaris Confab, our offshore teams were called upon to manage pipe load-out activities at Saipem's Guaruja offshore facility covering 24/7 working to ensure that zero time was lost in material supply.

FTR provided trusted Brazilian national QC resources who were tried and tested during previous work in country.

Offshore

Basis previous experience onboard both Allseas' Solitaire and Van Oord's Stingray pipelay vessels, FTR were invited to supply fully integrated QC teams covering Welding, NDT & Coating activities during an extended offshore campaign. FTR provided multiple teams of highly experienced and well-qualified QC personnel to support a rotational schedule, with the teams consisting of both Brazilian national and ex-pat personnel to ensure that local content targets were observed throughout.

Case Study

Projects
Chevron Angola – South Nemba A & Congo River Crossing Pipeline

FTR Client
Dynamic Industries International

FTR's prior experience across the West African region were of key importance in winning DII's confidence to support two consecutive projects in Angola. FTR resources were deployed both onboard a number of offshore vessels and also on the Nemba A platform, covering a range of QC & pre-commissioning activities.

FTR's team slotted seamlessly into the existing workforce on site, covering a 24/7 working to meet a demanding construction schedule. FTR's UK and US teams coordinated all off-site activities from personnel preparation including pre-mobilisation safety briefing, work visa acquisition including embassy attendance and medical examinations, and final mobilisation to Angola.

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Pipelines

Onshore and offshore pipeline expertise

In today's ever-changing energy industry, the ability to deploy full capability teams to remote locations is of key importance. FTR addresses its clients demanding project requirements in supporting pipeline construction in all global regions. With a track record in both onshore and offshore pipelines, laying both rigid and flexible linepipe, we have the experience to de-risk your project ensuring first oil / gas target dates are not missed whilst focus on safety and budget is not lost in the process. Our services can be used at any stage of the project

as required, or a full turnkey offering is available with FTR effectively becoming an extension of our clients' own team and taking full ownership of pipe manufacture, logistics and installation.

With experience gained across a number of pipeline projects spanning a wide range of water depths, pipe diameters and metal compositions, we can support your project in all key locations mobilizing resources at short notice if needed.

Fulkrum can support your requirements from a team of QC Inspectors to monitor Welding, NDT & Coating during pipeline projects, to initial vendor surveillance to final installation, and through commissioning.

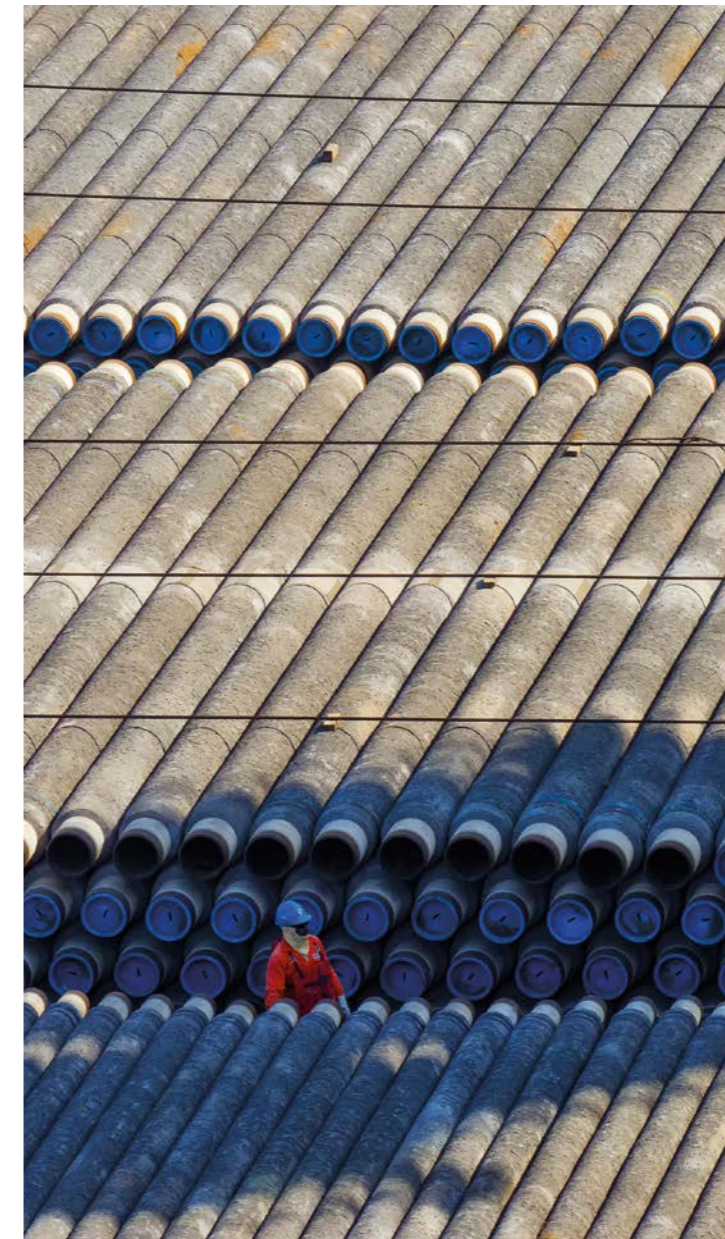
To support our clients' offshore needs, our personnel carry a wide range of requisite certification including but not limited to:

<p>Welding Inspectors</p> <p>(CSWIP, CWI / AWS, EWE)</p>	<p>Coating and Painting Inspectors</p> <p>(NACE, BGAS, ICORR, FROSIO)</p>
<p>NDT Inspectors</p> <p>(AUT, UT, MPI, DPI, RAD)</p>	

With actual experience of most offshore contractors' fleet, our seasoned offshore personnel can deploy to any location on short notice to support your needs. FTR's skilled Coordination teams can manage assembly of full offshore teams, and take away the stress of organising mobilisations, seaman's books, offshore survival courses, medical certification and visas.

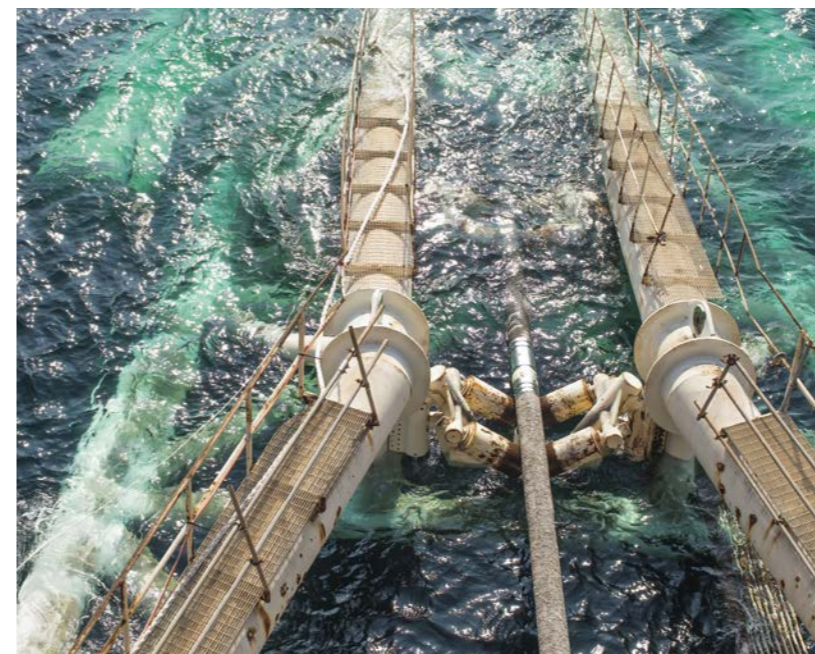
FTR has experience of most types of pipeline projects including:

- > Offshore S-Lay (shallow and deepwater)
- > Offshore J-Lay
- > Offshore Flexible pipelay & cable spooling
- > Shore-pulls
- > Onshore (including trenching)



Our recent experience includes:

Operator	Project Name	Project Location
Apache Corp	Julimar	Australia
BP	Juniper	Trinidad
Centrica	York	UK North Sea
Centrica	Ensign	UK North Sea
Chevron	Jack St Malo	Gulf of Mexico
Chevron	Gorgon LNG	Australia
Chevron	Mafumeira Sul	Angola
Chevron	Congo River Crossing	Angola
Chevron	Wheatstone LNG	Australia
CNOOC	Liwan	South China Sea
Conocophillips	Katy	UK North Sea
CPC	Shalung	Taiwan
Dong Energy	Hejre	Danish sector North Sea
E-ON	Hunter	UK North Sea
Hess	Tubular Bells	Gulf of Mexico
Noble Energy	Big Bend	Gulf of Mexico
Noble Energy	Gunflint	Gulf of Mexico
Noble Energy	Dantzler	Gulf of Mexico
PDVSA	Campo Dragon	Venezuela
Perenco	Leman	UK North Sea
Petrobras	Rota Cabiunas	Brazil - Pre- Salt region
Petrobras	Rota 3	Brazil - Pre- Salt region
Shell	Gamba	Gabon
S-Oil	SPM	Korea
Statoil	Edvard Greig	Norwegian North Sea
Statoil	Polarled	Norwegian North Sea
Talisman Energy	HST / HSD	Vietnam
Total	Anguille-Torpille	Gabon
Total	K4Z	Dutch Sector North Sea
Williams	Rockaway	New York, USA
Williams	Discovery Gas	Gulf of Mexico
Williams	Keathley Canyon Connector	Gulf of Mexico



Case Study

Project
Total – Anguille Torpille

FTR Client
Sea Trucks Group

To aid delivery of this fast-paced project, Fulcrum were invited to provide a full turnkey service supporting work locations spanning the UK, Italy, Tunisia and Gabon. Fulcrum supported the project in the following capacity:

Pre Production

FTR QC personnel participated in pre-inspection and kick off meetings before commencement of production, including critical input into the project ITP and production quality plan.

WPQT

FTR's trusted QC personnel attended Sicim Spa (Busseto, Northern Italy), to witness weldability trials and produce a full technical report for the clients' project management team.

Pipe Production

FTR provided a full scope Welding and NDT QC Inspection team to support plate rolling and welding of 18" linepipe at the Ilva Spa facility in Taranto, Italy. In addition to providing 24/7 production surveillance, FTR also covered test house activities and document control.

Coating

At Socotherm's coating facility in Adria, Italy, FTR's reliable QC personnel monitored 3LPE and CWC coating works of prepared linepipe. The FTR QC team covered all activities from coating adhesion and CD testing, through to anode installation and final equipment release.

Logistics

FTR resources were deployed to witness pipe loading inspection activity at both Ilva and Socotherm, in addition to pipe load-out at the port of Marghera ready for shipping to Gabon.

Sub-Vendor Surveillance

FTR were requested to provide Client representation Inspection and testing of 226no 18 inch Aluminium Bracelet anodes at Metec in Tunisia.

Offshore Pipelay

FTR supplied a multi-disciplined offshore QC Inspection team for the Jascon34 pipelay barge during S-Lay installation, managing NDT, welding and coating surveillance activities.

Onshore Construction

A team of FTR's skilled QC Inspectors were utilised for landfall activities including onshore beach pulls and terminal works.

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Spoolbases

Our Spoolbase experience includes the following facilities:

- > **Subsea7** –
Ingleside, Texas, USA
- > **EMAS** –
Halsvik, Norway
- > **Technip** –
Mobile, Alabama, USA
- > **McDermott** –
Gulfport, Mississippi, USA
- > **Saipem** –
Hartlepool, UK
- > **EDT Marine** –
Limmasol, Cyprus

Bringing knowledge and skill to your facilities

It is well known that a company's workforce is its greatest asset, and that deficiencies in its labor resource being the number one factor in project failure. Consequently, even the best designed and structured facilities can grind to a halt without the right calibre of people operating it with skill and commitment. From our reliable network of more than 1.6 million professionals worldwide, FTR can meet our clients' requirements in any environment. FTR understands the dynamics of busy spoolbases and the demands that result from managing all aspects. Our experienced personnel work in harmony with your existing workforce and other contractors on site, ensuring activities are carried out in a safe, controlled and efficient manner.



Fulkrum provide services in support of numerous global energy projects, with operations taking place throughout the world. Our global matrix of experience coupled with our vast network of Quality professionals affords our Clients with a comprehensive experience portfolio when undertaking new projects. Our philosophy of project delivery is not simply defined as a service provider, but defined as a Client partner giving them access to our past project history and site location experience which extends beyond a glossy brochure. We pride ourselves on adding value to our Clients and look to build long lasting relationships.

To support our clients' Construction needs, we provide a range of personnel disciplines including but not limited to:

Quality Control

Welding	Coating	NDT
(CSWIP, AWS, CWI)	(NACE, BGAS, ICORR)	(AUT, UT, MPI, DPI, RAD)



Operations

- > Welders (Combo & Auto)
- > Equipment Operators
- > Bevellers
- > Stalk & Ready Rack Techs
- > Document Controllers
- > Material Controllers
- > Heavy Plant Operators
- > Crane Operators
- > HSE

Case Study

Project
Subsea7 - Ingleside, Texas

FTR Client
EMAS

After supporting EMAS on a number of projects over a period of several years, FTR was asked to make a resource proposal for EMAS' newly commissioned spoolbase which would serve the GoM market. FTR's on-site personnel played a key role in successful delivery of a succession of contracts for EMAS including Noble Energy Big Bend, Dantzler and Gunflint, Talos Phoenix, ENI Appaloosa and Longhorn, Lundin Apollo, Anadarko K2 and BHP Billiton Angostura. FTR's site team numbered more than 80 people at peak production, consisting of QC Manager / Supervisors, CWI, NDT & NACE inspectors, Inspection Leads, Helpers, and Tally Rack inspectors.

- > FTR's complete inspection teams have worked on the firing line witnessing the pipe spools being welded by automatic welders in addition to witnessing the AUT.
- > FTR's inspectors witnessed the Welding procedure qualification through to full production at the Spool base for the Big Bend, Gunflint, Dantzler, ENI Appaloosa, BHP Angostura, Anadarko K2, and ENI Longhorn project.
- > FTR's inspectors that have worked on the fabrication of Jumpers, Spreader bars, Risers, Spools, PLETs, and PLEMs.
- > Offsite, FTR's inspectors have witnessed the manufacturing of castings, forgings, valves, and Aerogel application.
- > FTR's experienced coating inspectors witnessed GSPU, FBE, 3LPP, 5LPP coating and also associated repairs.
- > FTR's resources monitored weld repairs and are fully trained to operate ALX machines.
- > FTR's QC teams witnessed the spooling of the pipe onto the Lewek Express and Lewek Constellation vessels which went out to the GOM for pipelay activities for 10 offshore campaigns, lasting over 6 months. Our inspectors that were working at the Spool base managed Spool transfers and members of the team also followed the projects offshore working on the installation vessels ensuring team continuity.
- > FTR also supplied personnel to support yard coordination, logistics and document control.

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Technical Staffing Solutions

Global networks with local knowledge

Local knowledge saves you time and costs. From our global network of 1.6m professionals, we will build a team for your project that understands the local culture, working practices, and language. Because they are local, they can be onsite sooner and more cost-effectively, and they get up to speed faster. They minimise the potential for delays and misunderstandings because they work in harmony with your existing teams.



Project management teams

- > Design Engineers (Piping, Process, Mechanical, Electrical)
- > Regulatory Compliance Engineers
- > Subject Matter Experts (SME)
- > Material Engineers (Welding, Corrosion)
- > Corporate or Project QA Managers
- > QA Engineers
- > QC / Inspection Managers
- > QC Coordinators
- > HSE Managers

Support Services

In addition to providing a global resource of pre-screened high calibre candidates, Fulkrum also provide all of the requisite support services to enable our clients to focus on their own core business activities.

As required by our clients, FTR can provide full project staffing, with associated man hour tracking, global employment law compliance, and for larger teams digitized biometric timeclock and personnel management.

Additionally, we can fully manage and coordinate mobilisation and rotational travel including booking and paying for flights, hotels, hire cars and other associated elements, and can also fully manage visa applications including representation and Embassies and Consulates.

Case Study

Project
Galloper Windfarm

FTR Client
Petrofac

As one of their trusted partners, FTR was invited to support Petrofac's own in-house HR department in recruiting and managing a multi-discipline team of high calibre professionals to execute this important renewable energy project. FTR were called-upon throughout the execution phase of the project, providing resources to support the following activities:

Fabrication

Residential teams of FTR's specialist Supplier Quality Surveillance personnel were utilised to monitor activities at several European locations, with critical elements such as Welding, Coating, NDT and E&I under our scope of work.

Construction

Rotational teams of FTR approved technical personnel were deployed both onshore and offshore to manage a wide range of activities using specialists such as Warehousing and Materials Managers, Electrical and Instrumentation Technicians and supervisors, mechanical technicians and supervisors, Crane Operators, Paint Technicians, and Deck Foremen, Riggers and Scaffolders.

Commissioning

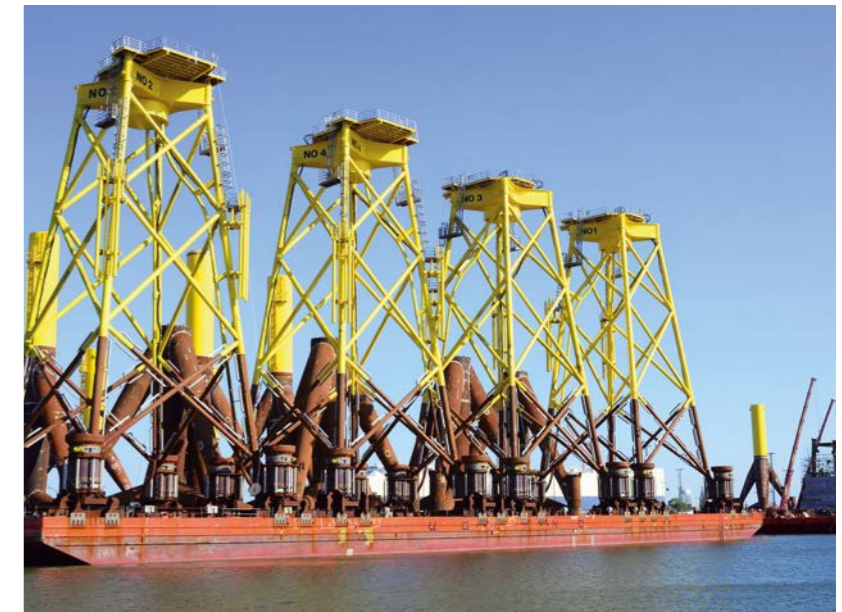
Rotational teams of personnel were utilised throughout the testing and commissioning process with particular focus on electrical, instrumentation and telecoms. In addition, document control was also managed using FTR supplied personnel.

Candidate Screening

We believe that it is our duty to deliver a market leading standard of customer service, and a key component of this is to ensure that our candidates and contractors are fully screened before they are proposed to our clients.

As a result, we have a structured process in registering a candidate:

- 1 Scrutinise the CV / Resume, with the focus on career history and project experience
- 2 Analysis of skill set and expertise
- 3 Initial interview
- 4 Identification check (normally passport)
- 5 Verification of all relevant qualifications
- 6 Check at least two 'formal' references (contacts suggested by candidate)
- 7 Check at least one 'informal' reference (non-associated contact from the Fulkrum database)



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Vendor Surveillance

Global networks with local knowledge

In today's fast-moving energy industry, it is critical that the entire supply chain is closely managed to ensure seamless project delivery. With tried and tested resources spread across the world, Fulkrum provides their clients with complete visibility at every vendor, test house and logistical stage of their project ensuring quality is maintained whilst keeping within tight schedule commitments. With our pre-screened resources based proximal to key locations and often with direct and recent experience of the designated facility, they can deploy on an almost instant basis whilst minimizing associated travel costs and avoiding visa issues.



At a glance

- > Reliable and effective surveillance services across a global network in most countries.
- > Proven track record to meet large project demands.
- > A capability to provide cover at extremely short notice with pre-screened pre-approved resources.
- > Knowledge and experience of most commonly used vendors worldwide.

We typically support our clients in:

- > Last minute, short term or ad hoc assignments where it is not practical or cost effective for their own staff to attend.
- > Long term / residential positions where the client cannot release a member of their team for an extended period.
- > Assignments in locations where visa issues / local content targets mean that the use of ex-pat personnel is not practical.
- > Any assignment that requires highly specialised skills, knowledge or specific experience.

FTR take the time to listen to our clients needs and ensure that we are fully briefed so that we understand the project requirements and sensitivities.

Supporting the procurement process at every stage:

- 1** **Definition of Project Codes and Specifications**
Provision of QA / QC personnel for Clients' project management team.
- 2** **Vendor Qualification**
Supply of senior inspection personnel to audit and pre-qualify vendors.
- 3** **Vendor Management**
Supply of senior inspection personnel to attend project kick off meetings and pre-inspection meetings to discuss and define the ITP and review the specifications with all parties.
- 4** **Production Quality**
Supply of QC Inspectors to represent our Clients at vendor sites globally, monitoring all aspects of testing and quality.
- 5** **Production Scheduling**
Supply of Project Expeditors to represent our Clients at vendor sites globally, ensuring timely submission of documents and progress throughout production.
- 6** **Equipment Release & Sign-off**
Supply of QC personnel to compile and sign-off databooks, attend FATs.
- 7** **Logistics**
Supply of QC personnel to oversee load-out activities.

To support our clients' Vendor Surveillance needs, our personnel carry a wide range of requisite certification and experience including but not limited to:

Welding Inspectors (CSWIP, AWS, CWI, IWE, EWE)	Coating and Painting Inspectors (NACE, BGAS, ICORR, FROSIO)	Mechanical Inspectors (IMECH, ENGDIP / CERT / BENG, CENG)
E&I Inspectors (ATEX, COMPEX)	NDT Inspectors (AUT, UT, MPI, DPI, RAD)	Aramco Approved Inspectors (SAP & QM coded)
Rotating Equipment	Project Expeditors	Load Out Inspectors
Aut Auditors (TOFD, Phased Array)	Lead Auditors (IRCA)	SME – Subject Matter Experts



Pre-Production

FTR's trusted resources can be deployed to support our clients' own in-house team both at their offices and at short-listed vendor sites globally.

Definition of Project Codes & Specifications

FTR can offer specialist personnel to drive the project in the direction the client wishes.

- QA Engineers
- Quality Managers / Directors
- PED Engineers
- Material Specialists (Welding, Metallurgy)
- Subject Matter Experts (SME)

Vendor Qualification

Seasoned IRCA Lead Auditors can be mandated to audit vendors according to ISO9001 or any other standards applicable under the project specification in support of the pre-qualification process.

Vendor Management

Highly experienced Senior Inspectors can join your team members or act as sole representation at project kick off meetings and pre-inspection meetings to discuss the ITP / PQP and pre-empt potential issues resolving them before production commences. Our resources carry qualifications such as CSWIP3.2 meaning that they can certify as required by our clients.

Production, Assembly & Testing

Production Scheduling

Supply of Project Expeditors to represent our Clients at vendor sites globally, ensuring that project schedules are adhered to.

Production Quality

As a result of our participation in hundreds of key global energy projects, FTR has a dynamic and reliable Supplier Quality Surveillance (SQS) resource available across the world at short-notice. We can supply QC Inspectors to represent our Clients at vendor sites globally, monitoring all aspects of testing and quality.

Welding Inspectors
(CSWIP, CWI, AWS, EWE)

E&I Inspectors
(ATEX, COMPEX)

Coating & Painting Inspectors
(NACE, BGAS, ICORR, FROSIO)

NDT Inspectors
(AUT, UT, MPI, DPI, RAD)

Mechanical Inspectors
(IMECH, ENGDIP / CERT, BENG, CENG)

Aramco Approved Inspectors
(SAP & QM coded)

Commodity Specialists
(Umbilicals / Flexibles, Valves, Rotating, Tanks / Vessels, Skids)

Equipment Release & Sign-off

FTR can supply specialist resources to attend FATs and thereafter compile and sign-off databooks.

Production, Assembly & Testing

Logistics

Supply of QC personnel to oversee load-out activities.

Support Services

In addition to providing a global resource of pre-screened high calibre candidates, Fulkrum provide all of the requisite support services to enable our clients to focus on their own core business activities.

As required by our clients, we can fully manage and coordinate mobilisation and rotational travel including booking and paying for flights, hotels, hire cars and other associated elements, and can also fully manage visa applications including representation and Embassies and Consulates.

Case Study

Project
BP Juniper

FTR Client
Technip

As a long-time partner to Technip, FTR supported this key project throughout the supply chain at a vast number of global locations. Spanning more than three years, FTR's support vendor surveillance services were utilised in locations throughout the US, Europe and Asia in addition to local support in Trinidad.

Throughout the project, a wide range of commodities were inspected including piping and tubular goods (rigid and flexible), valves, forgings, skids and control and instrumentation systems.

Vendor Auditing

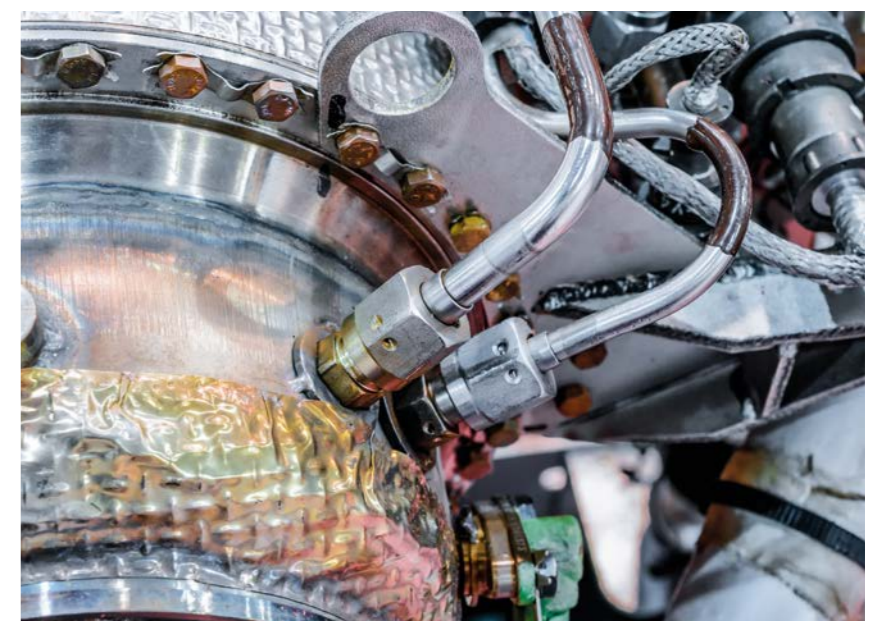
FTR's skilled resources were deployed to attend early stage meetings with prospective vendors to discuss and finalise the execution plan.

Fabrication

Residential teams of FTR's specialist Supplier Quality Surveillance personnel were utilised to monitor activities at many global locations, with critical elements such as Welding, Coating, NDT and E&I under our scope of work.

Construction

FTR approved technical personnel were deployed in country to support our client with material receipt and final stage Quality surveillance.



6 international offices
across 3 continents.

Over 1.6 million qualified &
experienced personnel.

Speaking more
than 60 languages

Operational in more than 25
countries at any one time.

Personnel from
over 140 nations.

Fulkrum.
Strength in numbers.



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Our Accreditations

