



THE PROVEN LEADERS IN HELICAL PILE FOUNDATIONS

7 to 14 Smallford Works, Smallford Lane, St. Albans, Hertfordshire, United Kingdom.

AL4 0SA. Tel: 0044 (0) 1727 821 282. Fax: 0044 (0) 1727 828 098.

Website: www.screwfast.com. Email to: info@screwfast.com

Capability Statement and Technical References ScrewFast Foundations Ltd. July 2011.

ScrewFast Foundations Ltd. (*ScrewFast*).

Locations:

ScrewFast is based in St. Albans, Hertfordshire with offices, compound and workshops conveniently close to the M25 motorway.

ScrewFast has a subsidiary company in Spain serving Solar Power projects throughout Europe – **SolarFast SL**.

History:

ScrewFast was formed in 2000 as a sister company to an existing soil investigation business which was founded in 1998 and was subsequently absorbed as a specialist department. *"We see sound Geotechnical Information as the essential requirement for sound foundations"*. Peter Dunn CEng – Chairman of *ScrewFast*.

ScrewFast pioneered the use of Screw Pile (Helical Pile) foundations for railway signalling in 2000 and was the first provider of Large Diameter Helical Piles in the UK.

ScrewFast retains its leadership position in this industry despite many emulators and recent entries into the helical piling market. Our Innovative Design Capability and Geotechnical Expertise are the Strengths behind our Success.

Markets:

- Highways projects
- Railways projects
- Process Industries
- Infrastructure Providers
- Airports
- The Environment Agency
- Central and Local Government
- Renewable Energy projects
- Electrical Grid Projects



EN ISO 9001-2008
Certificate. 001075



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People:

ScrewFast has 35 directly employed personnel covering:

- Business Administration
- Business Development
- Research and Development
- Design
- Procurement
- Plant and Stores Management
- Project Management

Each department is led by an experienced team member with proven capabilities and long term experience in our activities. Training throughout the company is encouraged at all levels from trade apprenticeships to post graduate degrees.

ScrewFast's workforce is CSCS and PTS certified to work on Network Rail.

Our work is undertaken by our own highly trained operatives with support from regular supply chain subcontractors. This enables the maintenance of total site management, with direct control remaining with us at all times.

Much of the work undertaken on site requires robust environmental management to protect and minimise any adverse impact from construction. Sites are properly defined with all protection measures in place and personnel fully briefed on the site requirements. Senior managers have clarity of vision and maturity of judgement, giving our clients and staff confidence in the way forward.

Design:

Innovative proven engineering solutions and a dynamic design approach are ScrewFast's special strengths. The design team has been carefully developed to blend a very high standard of geotechnical and structural design skills.

ScrewFast designs foundations and support structures for:

- Wind turbines, lattice towers, radio masts, cable end posts, pylons
- Pipeline supports and floatation restraints
- Bridges, jetties and platforms
- Retaining walls and tiebacks
- Industrial plants, machine bases and cranes
- Industrial and commercial buildings
- Disaster renewal and prefabricated buildings
- Signage, CCTV, communication and lighting masts
- Transport infrastructure
- Solar energy power plants
- Moorings for boats and airships



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Advantages:

- Fast installation, generally no concrete needed
- Used for Compression and Tension Loads
- Unique **Angel[®] Piles** for high Lateral Loads
- Very Competitive on bottom line comparisons
- Highly Mobile Plant
- Universally Available Plant
- Low Mobilisation Costs
- No Piling platforms required
- Sustainable – Reusable - Recyclable
- Removable
- Conventional Geotechnical Principles in Design
- Superstructures bolt directly onto Piles
- Unique **GRIP[®] Piles** for hard ground or rock
- In-house ground investigation service
- In-house structural and geotechnical design service
- Absolute confidence gained from years of experience

Versatility:

ScrewFast foundations can be installed without the need for piling platforms and our rigs can operate under limited headroom using modular pile sections.

Piling rigs are mounted on conventional construction plant, truck cranes, forklift-trucks, loaders and excavators, which can have either rubber or steel tracks, or wheels for rough terrain, roads or railways.

ScrewFast offers various highly specialised piling techniques, suitable in different ground conditions, on flat or sloping land, below water, or in solid rock.

ScrewFast's specialist piling operations for transport and energy infrastructure cover the whole of the United Kingdom.

Our understanding and knowledge in the transport and energy sectors enables us to support clients and planners at the early stages of project development. This contributes to project certainty by reducing construction risks, simplifying construction and the reduction of construction costs.



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Specialist Plant and Equipment:

ScrewFast owns its own specialist piling equipment, 40 helical pile torque heads, many percussive pile driving and micro piling rigs, all of which are operated using standard excavators as the operating platforms. *ScrewFast* outsources modern plant, mainly excavators in various sizes, from accredited suppliers anywhere in the World.

ScrewFast offers alternative solutions to suit virtually any soil type or to overcome difficult access conditions.

All *ScrewFast* plant is certified CE compliant. All *ScrewFast* torque heads are calibrated for each project and maintained to a high standard by *ScrewFast*'s specially trained technical staff.

ScrewFast is unique in having its own electronic calibration equipment approved under its UKAS certificated quality management system.

ScrewFast teams and equipment can go virtually anywhere and can install on land or in water, for tension, compression and lateral loads.

We can install piles vertically, raking or horizontally.

Procurement:

ScrewFast has an established procurement procedure. This includes the provision of design services if required in addition to our in-house design capacity. Suppliers and sub contractors have to be approved through the quality management procedures.

Headings cover:

- Experience
- Safety
- Quality and traceability
- Environmental management and sustainability
- Business information
- Warranties and guarantees

All subcontractors are appointed under our ruling contract and are required to comply with that contract, the law and site rules. They are subject to the same management as direct employees

ScrewFast has established business relationships with many key suppliers and sub contractors. This has been developed over many years and reflects the need for mutual business success.

Project managers manage the key suppliers and develop professional working relationships to get best services.

ScrewFast regularly works with specialist subcontractors at all stages from design and costing through to final delivery.

ScrewFast frequently installs more than 1000 tonnes of fabricated steel products on a single project, in the form of piles and support structures, in the UK and abroad.



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Partnership:

We believe that the Cornerstones of Partnering are:

- Trust
- Mutual Objectives
- Mutual Respect
- Problem Resolution
- Continual Improvement

ScrewFast places emphasis throughout the organisation and supply chain on these principles and a sincere and enthusiastic Customer Care culture.

We believe in team work with a Can - Do approach while keeping in sight the importance of Health, Safety and Quality.

Everyone is actively encouraged and motivated to suggest more efficient methods of working.

ScrewFast encourages good communications and generous support throughout the project team to address any issues and agree solutions swiftly and positively. This greatly assists in the delivery of projects, safely, on time, on budget and to high Standards of Quality, while complying with the Required Environmental Standards.

Summary:

- Working in active transportation and energy producing sites are well within *ScrewFast's* capabilities.
- *ScrewFast's* project staff have a full understanding of the need to plan and handover work to programme and to minimise impact of construction work on clients' business activities.
- *ScrewFast* carries substantial insurance for Liability and Professional Indemnity.
- *ScrewFast* has its own soil investigation department, fully compliant with BS 5930 and PTS certified for railway work.

ScrewFast web site: www.ScrewFast.com



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Annexure 1. Transport sectors and General Civil works

Job Name	Client	Market	Value	Year
A14 CORRIDOR	BIRSE	HIGHWAYS	£4.3 million	2008
M4 NEWPORT	BALFOUR BEATTY	HIGHWAYS	£1.4 million	2009
M42-J 9-J11	BIRSE	HIGHWAYS	£1.1 million	2008
M5-J25-J27	BBCEL	HIGHWAYS	£0.5 million	2008
A42	BIRSE	HIGHWAYS	£0.44 million	2009
M5-GDIS-PH2	BALFOUR BEATTY	HIGHWAYS	£0.43 million	2009
M4 NEWPORT	BALFOUR BEATTY	HIGHWAYS	£0.41 million	2008
M62 GANTRIES	TPS	HIGHWAYS	£0.4 million	2009
M5 GDIS	BBCEL	HIGHWAYS	£0.31 million	2008
M25 platforms & CCTV'S	SBBJV	HIGHWAYS	£0.26 million	2009
M20 - M2	ERH COM'NS	HIGHWAYS	£0.26 million	2008
NEWCASTLE D.I.S PHASE 3	BIRSE	HIGHWAYS	£0.25 million	2010
A38/A50 VMS SCHEME	CARILLION	HIGHWAYS	£0.23 million	2009
M5 JUNCTION 31	BARDENS	HIGHWAYS	£0.23 million	2009
CLONGRIFFEN	BALFOUR BEATTY IRELAND	RAILWAYS	£0.15 million	2008
A417 / A419 CCTV MASTS	INTER ROUTE	HIGHWAYS	£0.15 million	2009
WEST HAM STATION WALKWAY	BARHALE	RAILWAYS	£0.13 million	2010
A5 WIBTOFT	OPTIMA	HIGHWAYS	£0.13 million	2008
DUNRAVEN SCHOOL	FURNESS	BUILDINGS	£0.12 million	2008
A23 AIRPORT WAY GATWICK	BAM NUTTALL	HIGHWAYS	£0.12 million	2010
CATHERINES HILL	BALFOUR BEATTY	HIGHWAYS	£0.11 million	2008
M25 GANTRY PLATFORMS	SBBJV	HIGHWAYS	£0.10 million	2009

Annex 2. Solar Power Projects:

Job Name	Client	MW	Country	Year
Diressa	Conectavol	0.6	Spain	2007
Campo Baldio	Grupo Enza	0.1	Spain	2008
Mas Vell (Junida)	Cymi- Massa	1.2	Spain	2008
Chillaron (Cuenca)	Cymi- Massa	1.6	Spain	2008
Fuentenovilla	Geoatlanter	0.4	Spain	2008
Escambron	Aldesa	7.6	Spain	2008
Cordoba	Grupo Ensa	1.2	Spain	2008
Doñana	Grupo Ensa	1.2	Spain	2008
Pierrefond Riviere	Corex	2.2	France Reunion	2009
Furth	Storm	0.3	Germany	2009
Ecija	Abengoa	50	Spain	2010
Wheal Jane	Solar Century	1.4	UK	2011
Chard Junction	Solar South West	0.5	UK	2011
Coombe Farm	Solar South West	1	UK	2011
Howton Farm	Oskomera	4.25	UK	2011
Manor Farm	Solar Power Generation	0.7	UK	2011
Bexley	Enevis	0.57	UK	2011
Trenouth	Oskomera	0.68	UK	2011

Total value of Solar Energy work including:

Design and supply of Foundations

Design and supply of Support Structures

Installation of Foundations

Installation of Support Structures

Installation of Solar Modules

Approximately 16 million Euros over 5 years. 2007 – 2011.

Annexure 3. Technical References: by prior request via *ScrewFast*.

Name	capacity	email	telephone
Peter Wright	Our Consultants	peter@richterassociates.co.uk	+44 (0)7785 546 087
John Verrill (retired)	Project Manager Balfour Beatty	johnverrill@msn.com	+44 (0)7747007252
Alec Hone	Senior Project Manager	alec.hone@mouchel.com	+44 (0)7824 857618
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Kevin Davies	Our Consultants	corrosioneer@btconnect.com	(+44) (0) 161 748 3645
Mark Evans	Client	Mark.Evans2@networkrail.co.uk	+44 (0)7702 714 639
Steve Logan	Client's consultant	steve.logan@mouchel.com	+44 (0)7970 225733
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Kevin Titmarsh	Project Designer	Kevin.Titmarsh@bbmmjv.com	+44 (0)1634 385500 Ext: 5625
Darren Long	Client and Contractor	darrenlong@terrawise.co.uk	+44 (0)7802 890 142
Bob Pape	Client's Consultant	Bob.pape@mouchel.com	+44 (0)7768 776 289

Certificates and Awards:

- *ScrewFast* is certified through UKAS Register for Quality (ISO9001:2008) - audited six monthly and registered with UVDB and Linkup - audited annually.
- *ScrewFast* has received many awards for innovation and business, including Hertfordshire Business of the Year – 2006 and runner up in 2010.
- *ScrewFast* is a founding member of the Institute of Helical Pile Engineering. www.ihpeng.com.
- *ScrewFast* was awarded a Queens Award for Enterprise in 2005– Innovation Category.

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