



High integrity Bolting &
Tensioning specialists

The background of the page is a collage of three black and white photographs. The central, largest photo shows a woman in a white work jacket with the Pilgrim logo and a white hard hat, looking at a laptop. To her right, a smaller photo shows a man in an office setting working at a computer. In the bottom right corner, another photo shows a close-up of industrial machinery, possibly a bolt-tensioning device, with a pressure gauge visible.

Service

Telephone: +44 161 785 7700 | e-mail: sales@pilgrim-international.co.uk

Our Service offering is designed to remove uncertainty and help you achieve key goals.

Every industry has its unique challenges, but virtually all industries share the goals of increased machine uptime, reduced maintenance, improved safety, energy savings and lower Total Cost of Ownership.

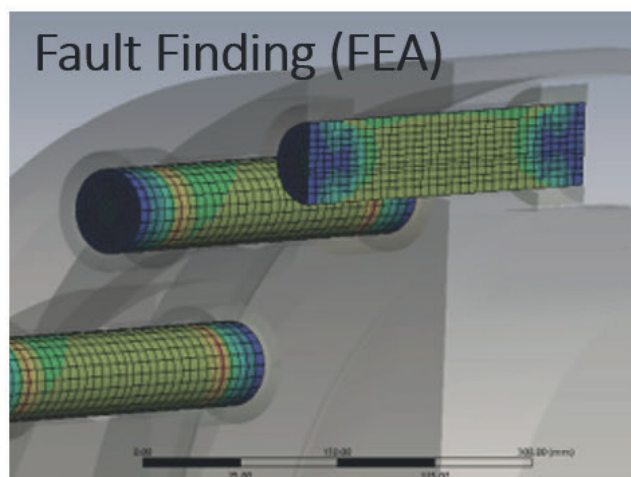
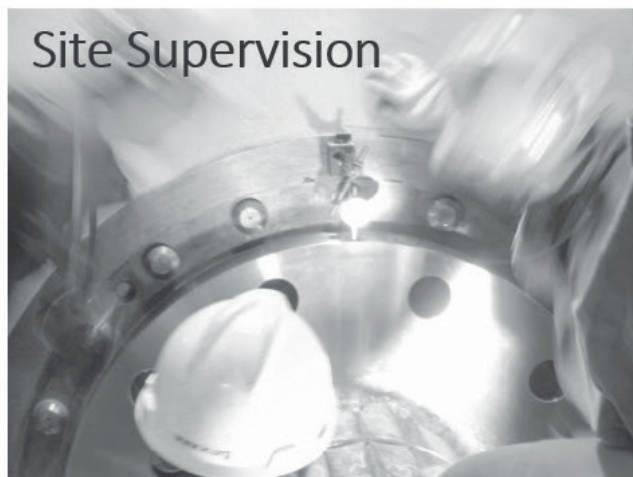
With expertise in a wide range of disciplines and decades of experience as a technical partner to both equipment manufacturers and end users in various industries, Pilgrim is delivering not just products but total integrated solutions that help our customers achieve their goals.

Our Service Offer:

- Certificated on site training, either class room or on the asset itself.
- In-situ coupling hole preparation including line boring, coupling spot facing and final dia. sleeve machining.
- Bolts, Tensioning kit, Pumps and Pilgrim Nut assessment and refurbishment and re-test.
- Engineering support on fault finding including FEA capabilities.
- On site installation supervision, including procedures and methods documentation.
- Refurbishment, spares and replacement parts supply for our full range of products.
- Fast track spares to get the asset up and running.
- Class room training aid: ABACUS, for practice before installation / removal of Pilgrims Radial Fit Bolts.



Our Vision is: To Create a World of Trouble Free Connections



"Our passion is removing uncertainty for our clients. In this instance, removing uncertainty means **knowledge**, and we are enthusiastic to pass on our many years of experience in the form of training."

David Charles
Engineering & Development Manager

The Pilgrim College

With over 60 years of experience and learning, the **Pilgrim College** has been created to help gain important knowledge.











Our carefully designed training modules are delivered by Engineers and Service People alike, who have a vast experience of working safely with our products and solutions in the field, ensuring you receive training which meets your needs.

Our Offer:

- Technical Handbooks
- Technical Webinars
- Classroom Presentations
- Table-Top Demonstrations
- YouTube Channel: Videos can be found on 'Pilgrim International Official'
- On-site Supervision



The Pilgrim College: Training Modules

Module Title 			Module Objective 	Estimated Duration 	Non Technical 	Technical 	Class Room 	Remote Training 	Suitable for Onsite 	Certificate Issued 	Points Awarded 
Introduction	1.0	Pilgrim in Brief	You will be introduced to who Pilgrim International Ltd are, a brief history, and gain an understanding of their solutions for high integrity joint connection solutions.	20 Mins	✓	✓	✓	✓	✗	✗	2
	1.1	Safe Working with High Pressure Hydraulics	You will gain an understanding behind the dangers of working with High Pressure Hydraulic Systems and the possible consequences. You will learn the correct methods to provide safe working practices.	25 Mins	✓	✓	✓	✓	✗	✓	20
Coupling Bolting	2.0	Introduction to Bolting	You will learn the basic theory of friction and shear driven bolt solutions and how they work, you will also explore their advantages and disadvantages.	25 Mins	✓	✓	✓	✓	✗	✓	5
	2.1	Radially Fitted Bolting (Theory)	You will learn the theory of how to safely install Pilgrim's Hydraulically Installed Radial Fitted Bolts.	60 Mins	✓	✓	✓	✓	✗	✓	10
	2.2	Radially Fitted Bolting (Practical)	Under supervision, you will safely install and remove Pilgrim's Radially Fitted Bolts using our ABACUS desk top demonstration unit.	90 Mins	✓	✓	✓	✗	✗	✓	20
	2.3	CHAT (Theory)	You will learn the theory of why and how to safely use Pilgrim's Coupling Hole Alignment tooling. (CHAT)	45 Mins	✓	✓	✓	✓	✗	✓	10
	2.4	On-Application Training	On site supervision covering the safe installation and removal of your Radial Fit / Clamp Bolts or a demonstration / training on how to use your CHAT.	Est. 180 Mins	✗	✓	✗	✗	✓	✓	55
Bolt Tensioning	3.0	Introduction to Bolt Tensioning	You will gain an awareness of various methods of bolt tightening used across Industries, and the advantages of tensioning bolts holds for critical applications.	30 Mins	✓	✓	✓	✓	✗	✓	10
	3.1	HYDROCAM Bolt Tensioning (Practical)	Under supervision you will hydraulically tension and de-tension a nut on a stud, using the desk top demonstration unit. You will also discover what retained loads are.	Min 90 Mins	✓	✓	✓	✗	✗	✓	20
	3.2	Theory of Tensioning	You will learn the Physics behind tensioning and the methods used to obtain a high integrity Joint connection. This will aid you during your design phase and help you create sound installation methods.	90 Mins	✗	✓	✓	✓	✗	✓	20
	3.3	On-Application Training	On-Site Supervision covering the safe tensioning of a nut on a stud	Est. 180 mins	✗	✓	✗	✗	✓	✓	55

- For classroom and site training the maximum number of attendees is twelve people.
- The Pilgrim College is designed to provide flexibility of learning to suit the needs of the attendees, by choosing the desired attainment level and topics. Each module has points which build towards an attainment level, as detailed below:

Attainment Level	Points Award	Attained Ability	Understanding of How the product works	Able to Install and remove product	Able to Install and remove product and problem solve
Level 1	< =40	Understanding of best practices and how the products work	✓	✗	✗
Level 2	41 to 69	Installation ready with an understanding of best practices, how the products work and ability to install and remove product safely	✓	✓	✗
Level 3	> =70	Installation ready with an in depth understanding of how the products work and ability to install and remove safely, and the ability to problem solve.	✓	✓	✓



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**Sales in
55 countries**



**Over 25 agents and
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To contact your local agent please visit:
pilgrim-international.co.uk/contact/find-an-agent

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