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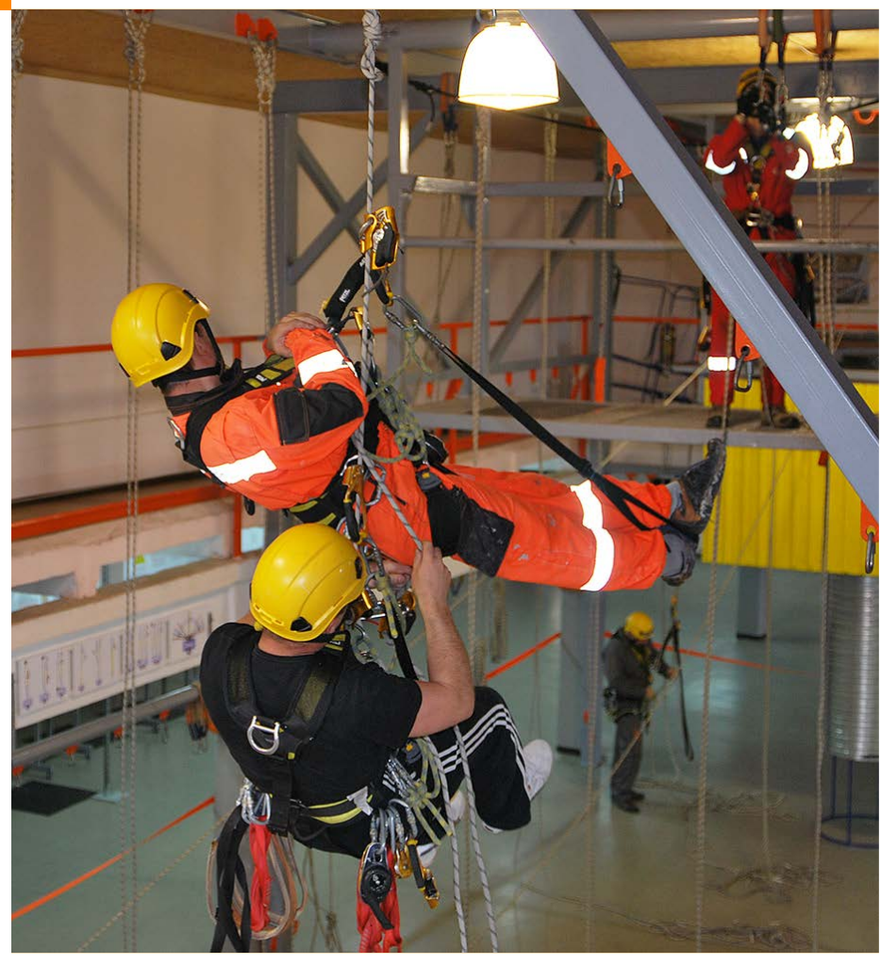
TRAINING ROPE ACCESS PERSONNEL

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About IRATA



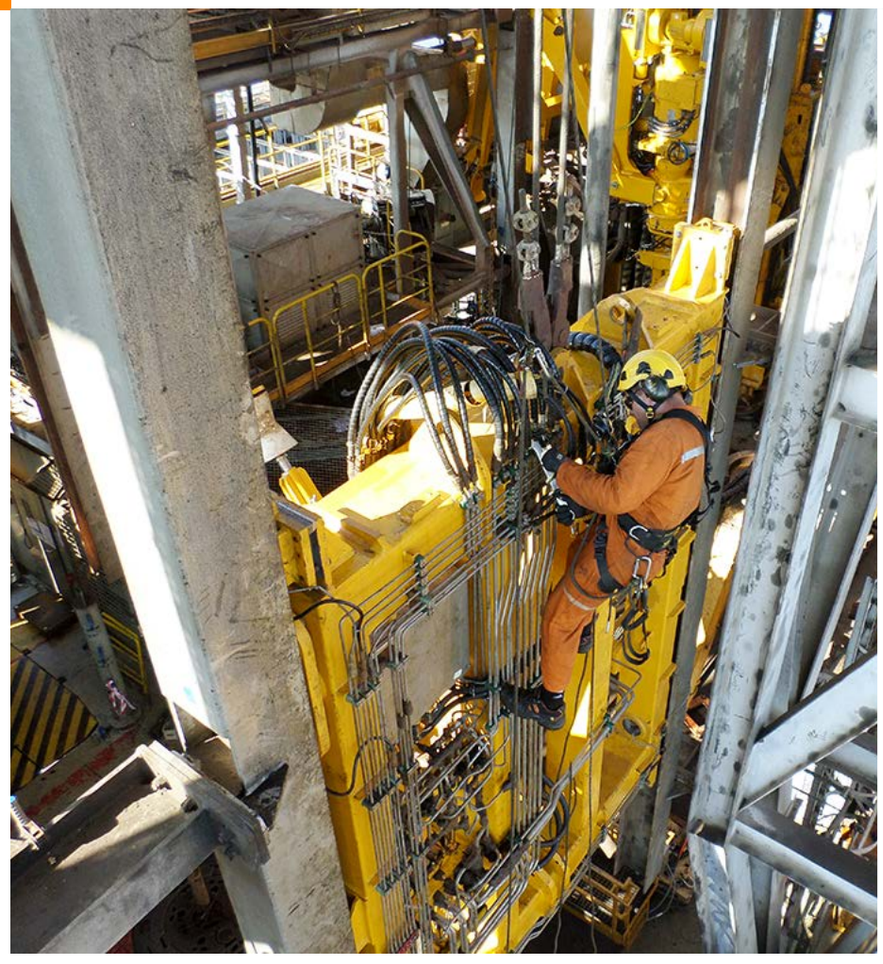
IRATA, the Industrial Rope Access Trade Association, was formed in the UK, to solve maintenance problems in the offshore oil and gas industry.
Its formation was the result of an initiative of a number of leading companies who had begun to use industrial rope access techniques, to provide a safe working environment for the industry.

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IRATA usage in the industry



The rope access technique developed by IRATA has now come to be used in a wide range of repair, maintenance, inspection and access work onshore and offshore. The benefits of using rope access methods are proven and clear: time and cost efficient of project fulfillment whilst operating the expensive equipment and scaffolds are not used.

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IRATA qualifications



There are three levels of qualification for rope access technicians as follows.

Level 1. A rope access technician who is able to perform a limited range of rope access tasks under the supervision of an IRATA level 3 rope access technician.

Level 2. A rope access technician who is capable of rigging working ropes, undertaking rescues and performing rope access tasks under the supervision of an IRATA level 3 safety supervisor.

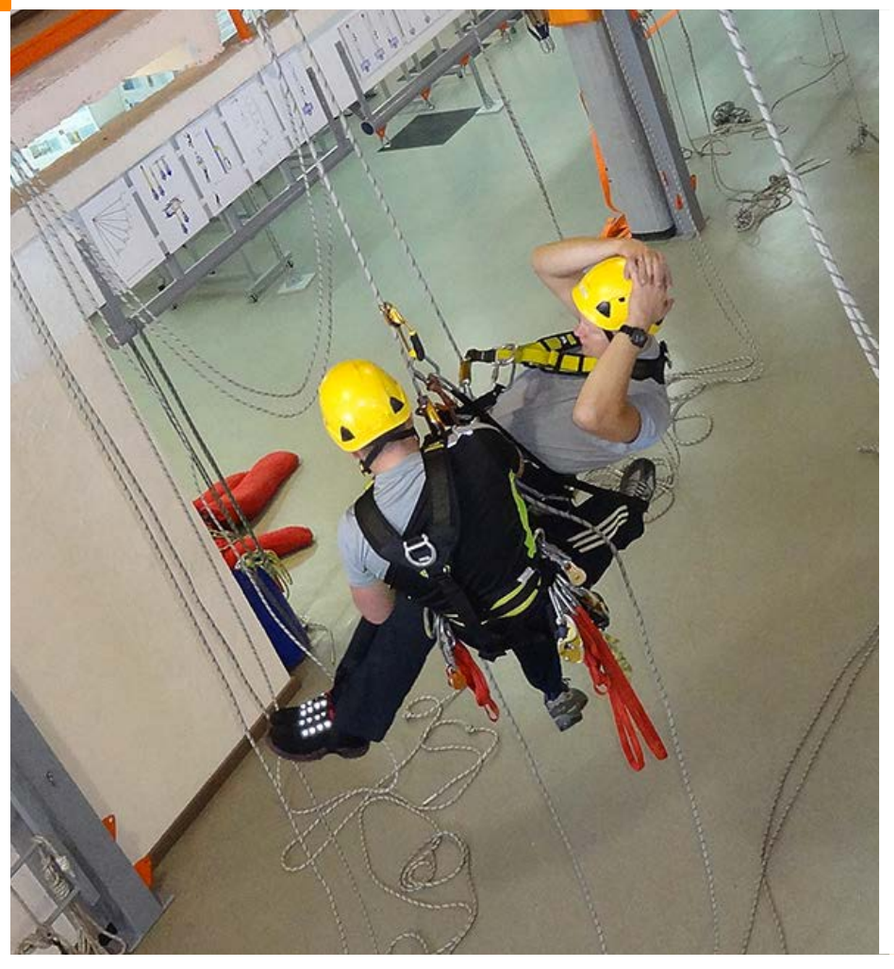
Level 3. A rope access technician who is capable of site supervision for rope access work projects; is able to demonstrate the skills and knowledge required of levels 1, 2 and 3; is conversant with relevant work techniques and legislation; has a comprehensive knowledge of advanced rescue techniques; holds a current first aid certificate and has knowledge of the IRATA certification scheme.

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Requirements for the candidates



- The minimum age of candidates is 18 years.
- Candidates shall be physically fit and free from any disability or medical condition that may prevent them from working safely.
- They shall ensure that they have an adequate level of fitness, are physically able to perform the tasks expected in terms of strength, agility and co-ordination, and are able to withstand the stresses of the working environment, such as heat, cold, and other inclement weather.

The duration of the training course is 4 days and 1 day independent assessment. Certificate, ID card and log book are issued after the successful completion of course. The certificates are valid for 3 years after the assessment day.

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IRATA TRAINING AND CERTIFICATION SCHEME

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No previous experience required. Aptitude for working at height. Physically and medically fit. Minimum age of 18 years.	5-day training course in rope access. Independent IRATA assessment.	
	LEVEL 1 ROPE ACCESS TECHNICIAN	Capable of performing a range of activities under the supervision of a level 3. Responsible for own personal rope access equipment.
Minimum of 12 months and 1000 hours of work experience in a variety of tasks as a level 1 rope access technician. Physically and medically fit.	5-day training course in rope access, rigging and rescue. Independent IRATA assessment.	
	LEVEL 2 ROPE ACCESS TECHNICIAN	Capable of rigging ropes and undertaking rescues, including hauling, under the supervision of a level 3 rope access technician.
Minimum of 12 months and 1000 hours of work experience as a level 2 rope access technician. Physically and medically fit. Appropriate first aid certificate. Written recommendation from an IRATA member company or assessor.	5-day training course in advanced rope access techniques, rescue, equipment examination and legislation. Independent IRATA assessment.	
	LEVEL 3 ROPE ACCESS TECHNICIAN (SUPERVISOR)	Capable of site supervision for rope access work projects. Comprehensive knowledge of advanced rescue techniques. Conversant with relevant work techniques and legislation.
Independent IRATA re-assessment every three years at all levels, following a minimum of two days of refresher training. Technicians not engaged in rope access work for six months or more should attend refresher training. *Any level 2 or 3 rope access technician undertaking re-assessment after the expiry of the current assessment would require four days of training instead of the two days. Holders of expired level 2 or 3 certificates or others with questions should contact an IRATA training company for information on revalidation procedure. To ensure technicians are up to date with certification, re-assessment may be done up to 6 months before due expiry date without any time penalty. Each IRATA member company should ensure employees hold valid assessments.		

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I IRATA Level training program

THEORETICAL TRAINING (5 hours)

TRAINING OF ROPE ACCESS PERSONNEL

1.1	**Personnel protective equipment**: harness, helmets, ascending and decending devices, back up devices, cow's tails, karabiners (mailons), workseats. The trainees are familiarized with the equipment used for rope access works, the functions of equipment, their usage in various works using rope access methods.	1 hour
1.2	**Ropes and other related equipment.** To explain and demonstrate different types of anchors, their attachment points and restrictions. To explain and demonstrate the safe ropes erection principles, making knots as well other back up equipment usage.	2 hours
1.3	**The storage, inspection and documentation of equipment.** To explain the importance of periodical and daily inspection of equipment, the certification of equipment issues.	1 hour
1.4	**Law.** To outline the national legislation, IRATA standards requirements, other international and national documents importance in rope access works and training.	1 hour

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I IRATA Level training program

PRACTICAL TRAINING (23 hours)

TRAINING ROPE ACCESS PERSONNEL

2.1	**Maneuvers: ascend, descend, transfer.** Descend using descending device. Ascend using ascending device. Descend using ascending device. Ascend using descending device. Passing knots. Tying, dressing and setting of appropriate knots, for example “Alpine butterfly”, Figure of eight, Figure of nine, stopper knot. Rigging of ropes.	5 hours
2.2	**Maneuvers: transfer, usage of workseat, rope protectors.** Passing deviation (simple not more then 2 meters/20 degrees). The passing of edge obstruction, the use of comfort seat. Passing mid rope protection. Transfer from rope to rope. Re-belay when the distance is not more then 2 meters.	5 hours
2.3	**Climbing using cow’s tails and lanyards.** Climbing with cow’s tails keeping 3 points of attachment (the minimum points of attachment are 2). The trainers need to outline that it is very important to choose the correct anchor points. The climbing using fall arrest lanyards. The review of first and second day maneuvers.	4 hours
2.4	**Rescue/ hauling maneuvers** **1. The descending on rescue ropes:** a) descending (or ascending) until the casualty; b) upright of casualty into vertical position; c) attachment of casualty; d) descending on rescue ropes using additional friction and avoiding rope tangles. **2. The descending on casualty ropes:** a) descending (or ascending) until the casualty; b) upright of casualty into vertical position; c) attachment of casualty; d) descending on casualty ropes using additional friction and avoiding rope tangles.	6 hours
2.5	The review of maneuvers concerning the individual progress.	3 hours

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II IRATA Level training program

TRAINING OF ROPE ACCESS PERSONNEL

THEORETICAL TRAINING (4 hours)

1.1	**Personnel protective equipment**: The trainees are familiarized with the equipment used for rope access works, the functions of equipment, their usage in various works using rope access methods. Team works and communication is explained.	1 hour
1.2	**Ropes and other related equipment.** To explain and demonstrate different types of anchors, their attachment points and restrictions. To explain and demonstrate the safe ropes erection principles: tensioned lines, anchorage selection, work restraint, horizontal lifelines.	1 hours
1.3	**The storage, inspection and documentation of equipment.** To explain the importance of periodical and daily inspection of equipment, the certification of equipment issues.	1 hour
1.4	**Law.** To outline the national legislation, IRATA standards requirements, other international and national documents importance in rope access works and training.	1 hour

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II IRATA Level training program

TRAINING FOR ROPE ACCESS PERSONNEL

PRACTICAL TRAINING (23 hours)

2.1	**The review of I level maneuvers.**	5 hours
2.2	**Ropes rigging:** wide ‘Y’ hang; re-belay; deviations; rope and sling protection; pull-through; work restraint and horizontal lifelines; tensioned ropes.	5 hours
2.3	**Rescue/hauling: all Level I maneuvers, additionally:** a) rescue from the ascent mode; b) rescue from an aid-climbing situation; c) rescue past a small re-belay; d) rescue past a deviation; e) rescue from rope-to-rope; f) haul and lower from a platform; g) hanging haul; h) cross haul.	10 hours
2.4	The review of maneuvers concerning the individual progress.	3 hours

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III IRATA Level training program

THEORETICAL TRAINING (4 hours)

TRAINING ROPE ACCESS PERSONNEL

1.1	**Personnel protective equipment/work equipment:** The trainees are familiarized with equipment inspection, management and control.	1 hour
1.2	**Ropes and other related equipment.** Equipment standards and manufactures instructions.	0.5 hour
1.3	**The organization of rope access work:** risk assessment and method statements; assessment of alternatives to lead climbing and, where lead climbing is a valid safe option, be capable of writing a method statement for lead climbing in a particular situation.	2 hours
1.4	**Law.** To outline the national legislation, IRATA standards requirements, other international and national documents importance in rope access works and training.	0.5 hour

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III IRATA Level training program

TRAINING ROPE ACCESS PERSONNEL

PRACTICAL TRAINING (23 hours)

2.1	**The review of I level maneuvers.**	5 hours
2.2	**The review of II level maneuvers.**	5 hours
2.3	**Rescue/hauling:** all Level I and II maneuvers, additionally: a) advanced rescue; b) tensioned ropes; c) short link; d) descent passing knot; e) break into tight rope; f) large re-belay.	10 hours
2.4	The review of maneuvers concerning the individual progress.	3 hours

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Gridin’s Group

Specializes in providing a wide range of services by ensuring the highest quality of works. This principle is used as a priority, enabling the company to undertake even more complex tasks in the future.

Main office:
Tomo str. 22 Klaipeda,
LT-91249 Lithuania
Ph.: +370 46 311272
Fax: +370 46 314132
Email: info@gridins.com
Website: www.gridins.com

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