



# MIRA GROUP



## MIRA Rope Access

[www.mira-ra.com](http://www.mira-ra.com)



## MIRA Training Center

[www.mirailkyardim.com](http://www.mirailkyardim.com)



## MIRA Metal Works

[www.miraimalat.com](http://www.miraimalat.com)



## MIRA Work Safety

[www.miraworksafety.com](http://www.miraworksafety.com)

# Our Working Areas

## Energy

- Petroleum, Gas, Petrochemistry
- Wind Energy
- Thermal Energy
- Solar Energy
- Hydroelectric Plant
- Geothermal Plant
- Power Line

## Entertainment Industry

- Skyscrapers, Shopping Malls
- Hotels, Business Centers
- Stadiums
- Concert, Theater, Cinema Areas
- Advertising and Signboard Areas
- Amusement Parks



## Telecommunication

- Telecommunication Stations

## Industrial Constructions

- Factories, Production Facilities
- Steel Construction Structures
- Construction Sector
- Highways, Railways
- Bridges, Viaducts
- Dams
- Mines
- Cable Cars

# Our Services

MIRA, provides professional services combining the rope access and work at height skills with engineering and technician skills.



## Training Services

Wind Turbine Trainings  
Rope Access Trainings  
Work Safety Trainings  
Specific Trainings  
Emergency Response Trainings  
Telecommunication Trainings



## Wind Turbines

WTG Services  
PPE Sale and Inspection Services  
Trainings



## Consulting & Auditing

Work at Height  
Closed and Confined Space Jobs  
Chemical Use  
Fire Safety  
Crane Lifting Jobs  
PPE  
Scaffold  
Health and Safety at Work



## Operation Services

Rope Access  
Petroleum&Energy  
Work at Height  
Slope Stabilization



## Life Lines

Horizontal Life Lines  
Vertical Lifelines  
Rail Systems  
Temporary Life Lines  
Overhead Life Lines  
Single Point Anchors  
Life Line Trainings



## Personal Protective Equipment (PPE)

PPE Store  
PPE Periodic Inspection  
PPE Concultancy  
PPE Inspection Trainings



## Wind Turbine Trainings Overview



GWO (Global Wind Organization) is an organization consisting of Wind Turbine manufacturers and owners of Wind Power Plants, aiming to create a fully safe working environment with zero work accidents for the WPP sector.



## Basic Safety Training (BST)

The GWO Basic Safety Training is divided into the following six modules:

Module 1: First Aid

Module 2: Manual Handling

Module 3: Fire Awareness

Module 4: Working at Heights

Module 5: Working at Heights & Manual Handling combined

Module 6: Sea Survival

Fix • Onsite • Digital



## Basic Technical Training (BTT)

The GWO Basic Technical Training is divided into the following 5 modules:

Module 1: Mechanical

Module 2: Electrical

Module 3: Hydraulic

Module 4: Bolt Tightening

Module 5: Installation

Fix • Onsite • Digital

## Advanced Rescue Training (ART)

The GWO Advanced Rescue Training is divided into the following four modules:

Module 1: Hub, Spinner and Inside Blade Rescue (ART-H)

Module 2: Nacelle, Tower, and Basement Rescue (ART-N)

Module 3: Single Rescuer: Hub, Spinner and Inside Blade Rescue (SART-H)

Module 4: Single Rescuer: Nacelle, Tower and Basement Rescue (SART-N)

Fix • Onsite • Digital



## Wind Limited Access Training (WLA)

MIRA provides the following module:  
Module 1: Onshore Limited Access

It has been designed to provide the minimum applicable training required for participants to safely visit Wind Turbine Power Plants. Education; hazards, medical emergencies, fire emergencies, and safety at height.

• Fix •

## Service Lift Training

MIRA provides the following module:

Module 1: Service Lift User (SLU)

• Digital / Virtual Reality •



## Slinger & Signaller Training (SLS)

Upon completion of the GWO Slinger Signaller Standard (SLS), participants will be aware of the risks and hazards encountered when working with slinger signalling within the wind industry. Furthermore, they will be able to control and mitigate those risks and hazards.

The GWO SLS training will also equip participants with the knowledge, skills, and ability to appropriately respond in the event of a hazardous situation and to increase their safety through proper use of personal protective equipment, emergency equipment, procedures, and safe craftsmanship.

Fix • Onsite • Digital

## HACA Inspection Training

Mira is the only training center in Turkey that has the authority to provide HACA Inspection Training, which gives the authority to inspect the HACA Fall Arrest, HACA Rail and HACA Ladder systems.

In addition, as HACA Turkey, Mira is the only authorized institution in Turkey that has the authority to perform HACA Fall Arrest, HACA Rail, HACA Ladder and HACA Clifter inspections.





Rope Access Trainings Overview



## IRATA INTERNATIONAL

IRATA International (Industrial Rope Access Trade Association) is a non-profit association that sets the standard for rope access technicians and rope access companies.

[www.irata.org](http://www.irata.org)



## SPRAT

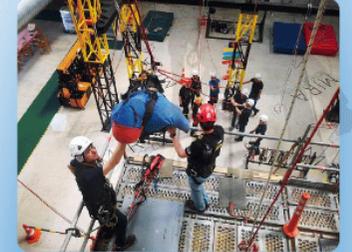
SPRAT (The Society of Professional Rope Access Technicians); is a non-profit association that sets the standards for rope access technicians and rope access companies.

[www.sprat.org](http://www.sprat.org)

## IRATA&SPRAT TRAININGS

Rope access certification consists of three basic levels and each level increase is done by recorded rope hours in the logbook.

Rope Access Technician (Level 1, L1), Lead Technician (Level 2, L2) or Rope Access Supervisor (Level 3, L3) trainings is put to the test and will be evaluated by an independent training supervisor (ASSESSOR) at the end of the training, successful trainees have an internationally recognized certificate that is accepted all over the world.



### Training Language:

Turkish, English, German (You do not need to know English or German, translation service is provided by our company for the exam.)

### Training Content:

- Introduction & Information
- Standards and Regulations
  - Procedures, Risk Analysis
- Equipment Selection and Use
- Rope Techniques and Rope Systems
  - Knots
  - Rope Maneuvers
- Load Pull Systems
  - Rescue
  - Evaluation

## Work Safety Trainings

- Work at Height and Rescue
- Closed and Confined Space
  - PPE Inspection
  - Safety Net
  - Life Line
- Health and Safety at Work



## Specific Trainings

- Lockout Tagout / Energy Isolation Training (EKED/LOTO)
  - Slinger Signaller
  - Scaffolding
- Electric Awareness
- Ergonomy Trainings



## Emergency Response

- Mira is authorized to provide first aid training approved by the Ministry of Health of the Republic of Turkey. It provides trainings on;
- Search, Rescue & Evacuation
  - First Aid (TC. Ministry of Health)
    - Fire
    - Lift Rescue
    - Industrial Rescue



## Telecommunication Trainings

- MIRA is approved as Vodafone International Training Center. It provides telecommunication trainings on
- Working at Height, Fall Arrest and Basic Rescue Technician,
  - Load Sling Technician,
  - Inspection and Management of Climbing Equipment.

GRAVITY



# TRAINING FACILITIES



## Training Center

Large area, high ceiling  
Walkways, catwalks  
Emergency escape platforms  
Sailor-type vertical ladders  
Scaffolding  
Indoor training simulators  
Rope access training track  
Air-conditioned classrooms  
Rest, meal and break areas  
Meals, tea, coffee and refreshments  
Easy transportation  
3rd Party Liability Insurance.

## Trainers

Field experience  
Professional approach  
IRATA/SPRAT certified  
OHS expert  
Equipped with up-to-date information  
Awareness raising skills  
Experts who speak Turkish, English, German and French.

## Best Training Center Award

We are the winner in the 501-1500 number of trainees category at the GWO 2021 Safety and Training Awards and Best Training Team of the Year award at the GWO 2022 Safety and Training Awards.



## Certificates

**ISO 9001:2015** Quality Management Systems  
**ISO 14001:2015** Environmental Management Systems  
**ISO 45001:2018** Occupational Health And Safety Management Systems  
**EDELRID** - Turkey Distributor  
**AVANTI** - The Only Inspection Center in Turkey  
**SKYLOTEC** - Authorized Importer and Inspection Center  
**TUF-TUG** - Turkey Representative  
**TSL** - Training Center  
**PSA** - Inspection and Training Center  
**PROTECTION** - Turkey Representative  
**HACA** - The Only Authorized Center in Turkey  
**HARKEN ITALY** - Turkey Authorized Service



**Wind  
Turbines**

## WTG Services

MİRA, provides professional solutions during installation, commissioning and operation in Wind Power Plants. It provides all the services that a Wind Power Plant needs with its expert staff and solution partners.



## Training Services

MİRA provides wind turbine trainings as GWO(BST, BTT, ART, WLA, SLS, SLU), HACA Inspection, IRATA and SPRAT Trainings at Mira training facilities or at customer sites.

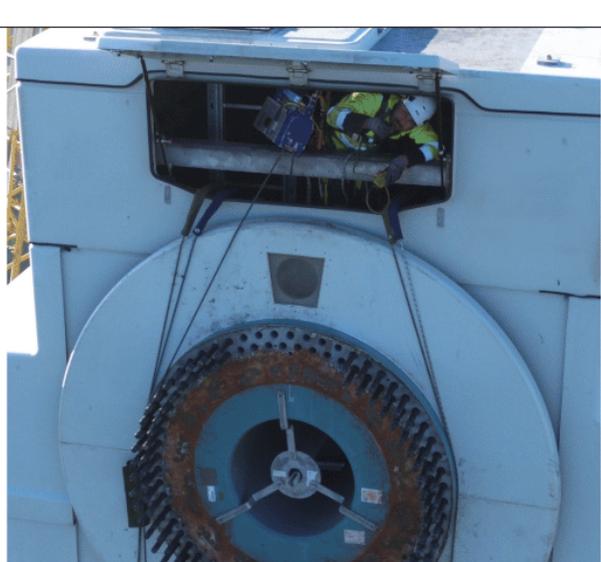
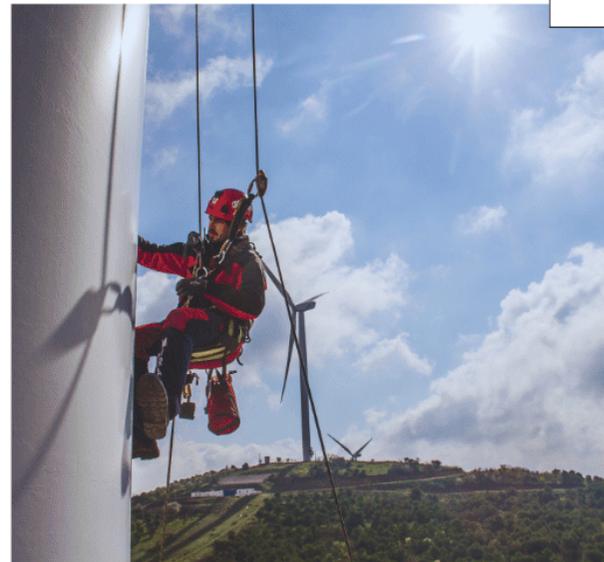


## PPE Sale and Inspection Sales

MİRA, is an expert institution that not only sells these products, but also uses these products in the field, provides training and performs inspections.



OUR WORKS







## ✓ Audit Services

- Work at Height Systems Audit
- Internal Audit
- Scaffold Audits
- Intermittent Audit and Reporting
- Crane Lifting Work Audit
- Behavior-Focused Occupational Safety Audits
- Work in Closed and Restricted Areas Audit (Closed Container Supervision)
- Occupational Health and Safety Management Systems Audits
- Fire Safety Audits
- OHS Performance Measurement
- Personal Protective Equipment Audits
- Health, Safety and Environment (HSE) Audits
- Chemical Substance Use Audits



## ✓ Consultancy Services

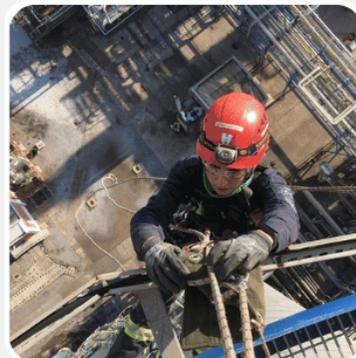
- OHS Risk Assessment
- Work at Height
- Accident Investigation, Root Cause Analysis
- ISO 45001:2018 Consultancy
- Accident Prevention System Installation
- Explosion Protection Document Preparation
- Occupational Safety Leadership
- Fire Safety
- Basic OHS Training
- Search, Rescue and Evacuation
- Emergency Management
- Process Safety
- Subcontractor OHS Management
- Asbestos Inventory Report
- Work Permit Systems
- Ergonomic Risk Analysis
- Tagging - Locking
- Process Improvement Consultancy
- Hazardous Material Safety
- Corporate OHS Management





## Rope Access

- [Rope Access Services](#)
- [NDT / Non Destructive Testing](#)
- [Stand-by Rescue](#)
- [Corrosion Repair and Paint](#)
- [Closed and Confined Space Jobs](#)
- [Window & Facade Cleaning](#)
- [Installation & Torque Services](#)
- [LED and Lighting Installation](#)
- [Restoration](#)



## Petroleum&Energy

- [Petroleum, Gas, Petrochemistry Services](#)
- [Wind Energy Services](#)
- [Thermal Energy Services](#)
- [Solar Energy Services](#)
- [Hydroelectric Plant Services](#)
- [Geothermal Plant Services](#)
- [Power Line Services](#)



## Work at Height

- [Welding Manufacturing & Installation](#)
- [Industrial Cleaning](#)
- [Roof / Gutter Cleaning and Repair](#)
- [Roof Installation & Modification](#)
- [Insulation](#)
- [Safety Net](#)
- [Asbestos Disassembling & Removal](#)



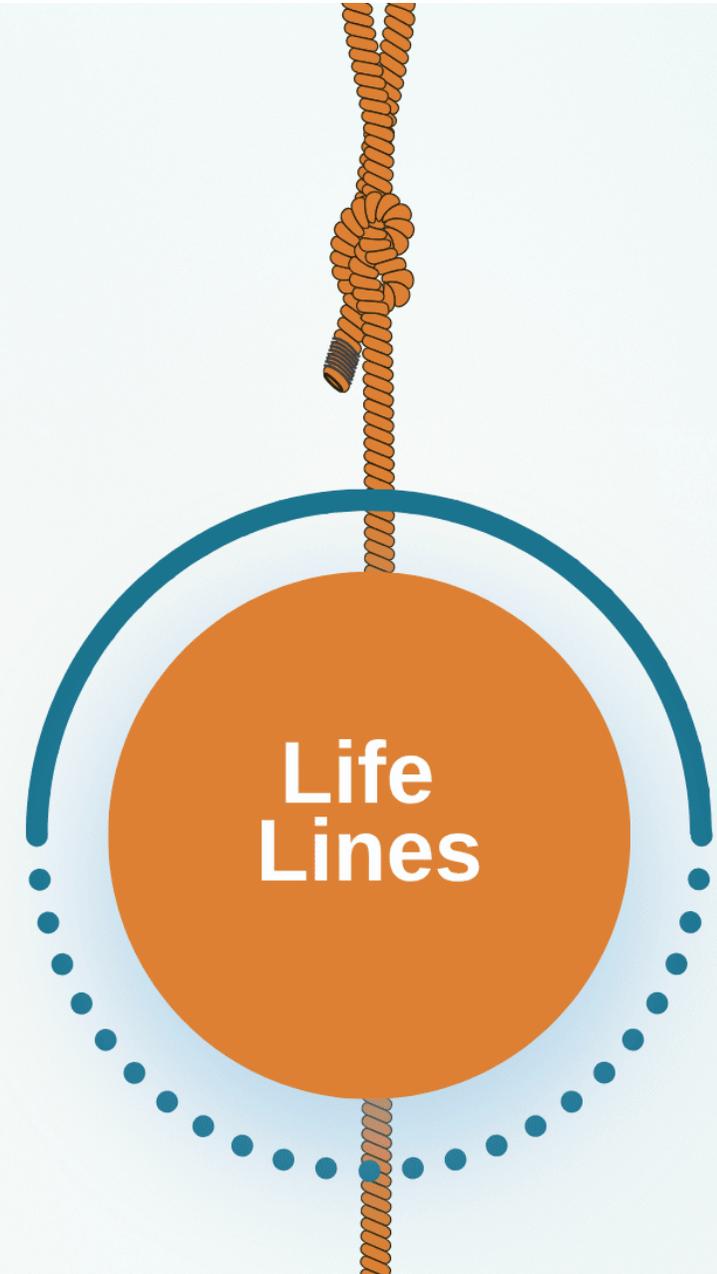
## Slope Stabilization

- [Slope Risk Analysis & Reporting](#)
- [Slope Cleaning](#)
- [Rock Stabilization](#)
- [Steel Net Covering](#)
- [Steel Barrier / Rock Stabilizer Barrier](#)
- [Retaining Walls](#)
- [Fence and Protection Barriers](#)



OUR WORKS





# Life Lines Services

02

## VERTICAL LIFE LINES

It is a safety system designed to stop the fall of personnel ascending or descending on sailor-type ladders.



03

## TEMPORARY LIFE LINES

In places where there is a danger of falling but where continuous work will not be done.



04

## OVERHEAD LIFE LINES

It is necessary to climb onto vehicles such as trucks, lorries, tankers, food tanks, etc.



05

## RAIL SYSTEMS

In areas where there is a danger of falling, in places where high safety precautions are taken, when uninterrupted vertical and horizontal work is desired, when deflection is not desired in steel rope systems.



01

## HORIZONTAL LIFE LINES

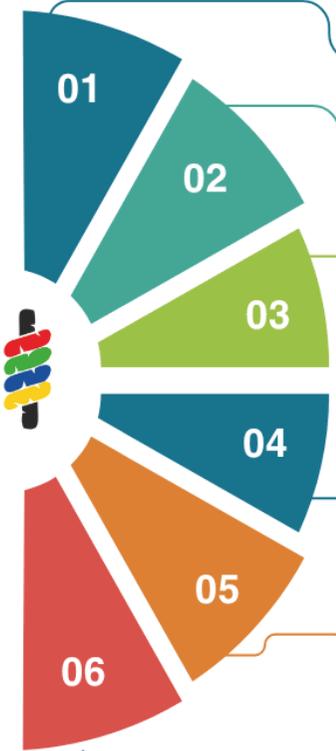
on roof edges without railings or parapets, on crane bridges, on top of machines, etc.



06

## SINGLE POINT ANCHORS

Single point anchors are used for protection against falling at points that do not require moving in the horizontal and vertical plane.



Free site survey and project planning by engineers

Installation by IRATA and SPRAT certified expert technicians

Lifelines are covered by third party liability insurance

Compliant with EN Standards  
EN 795 Type A,B,C,D  
CEN/TS 16415  
EN 353-1, EN 353-2

25 years warranty

User training given at the end of the installation