



Petro Gold

For Training & Consulting & Petroleum Services
شركة بنو جولد للتدريب والاستشارات والخدمات البترولية

PETRO GOLD

LIFE LINE SYSTEM'S PORTFOLIO

Where Safety Meets Innovation: Petro Gold's LifeLine Solutions



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About Us



INTRODUCTION

In the high-stakes world of industrial operations, **safety is not just a priority, it's a necessity.**

Lifeline systems stand as silent guardians, ensuring the well-being of personnel in challenging environments.

At Petro Gold, we understand that the integrity of these systems can mean the difference between life and death.

This portfolio showcases our commitment to excellence in **lifeline system installation and supply services**, demonstrating why we are the trusted partner for industries where safety cannot be compromised.

Petro Gold has been at the forefront of industrial safety solutions.

Our company has grown from a small team of dedicated safety enthusiasts to a leading provider of lifeline systems across multiple industries.

Our journey is marked by a relentless pursuit of innovation, quality, and customer satisfaction.

Our mission is simple yet profound:

to protect lives and empower industries through cutting-edge lifeline solutions.

We believe that **every worker deserves to return home safely at the end of each day**, and this belief drives every aspect of our operations.

With a team of over 30 highly skilled professionals, including certified safety engineers, expert installers, and dedicated customer support staff, **Petro Gold brings a wealth of experience** and expertise to every project.

Our presence, with offices in 15 Project's, allows us to serve clients across diverse locations and regulatory environments.





Our Lifeline System Services



LIFELINE SYSTEM INSTALLATION SERVICES

Petro Gold offers comprehensive installation services for a wide range of lifeline systems. Our installation expertise covers:

- **Horizontal Lifeline Systems**
- **Vertical Lifeline Systems**
- **Rigid Rail Systems**
- **Flexible Cable Systems**
- **Temporary Lifeline Solutions**

Our installation process is characterized by meticulous planning, precision execution, and rigorous testing. We understand that each installation environment presents unique challenges, and our team is trained to adapt our solutions to meet specific site requirements.

Key features of our installation services include:

- **Customized Design:** We work closely with clients to design lifeline systems that seamlessly integrate with existing structures and meet specific operational needs.
- **Expert Installation Teams:** Our installers are certified professionals with extensive experience in diverse industrial settings.
- **Quality Assurance:** Every installation undergoes comprehensive quality check and load testing to ensure optimal performance.
- **Minimal Disruption:** We plan our installations to minimize impact on ongoing operations, often working during scheduled downtimes.
- **Comprehensive Documentation:** We provide detailed installation reports, user manuals, and maintenance schedules.



LIFELINE SYSTEM SUPPLY SERVICES

Complementing our installation expertise, Petro Gold is also a leading supplier of lifeline system components and equipment. Our supply services ensure that clients have access to the highest quality materials for their safety needs.

OUR PRODUCT RANGE INCLUDES:

- Anchor Points and Connectors
- Cable and Rope Systems
- Harnesses and Personal Protective Equipment (PPE)
- Shock Absorbers and Energy Dissipators
- Tensioners and Cable Clamps
- Specialized Tools and Accessories

WHAT SETS OUR SUPPLY SERVICES APART:

- **Comprehensive Inventory:** We maintain a vast inventory of products from leading manufacturers, ensuring quick availability.
- **Quality Assurance:** All supplied products undergo rigorous quality checks and comply with international safety standards.
- **Custom Solutions:** We can source or manufacture custom components to meet unique project requirements.
- **Technical Support:** Our team provides expert advice on product selection and usage.
- **Efficient Logistics:** With our global network, we ensure timely delivery of products worldwide.

Our Expertise

Petro Gold's expertise in lifeline systems spans a wide range of industries, each with its unique challenges and requirements.

OUR EXPERIENCE INCLUDES:

- **Oil and Gas:** From offshore platforms to refineries, we provide robust solutions that withstand harsh environments.
- **Construction:** Our temporary and permanent systems ensure worker safety at heights during all phases of construction.
- **Aerospace:** We deliver precision-engineered solutions for aircraft maintenance facilities and hangars.
- **Telecommunications:** Our systems protect workers maintaining communication towers and infrastructure.
- **Wind Energy:** We specialize in lifeline systems for wind turbine maintenance and operations.
- **Mining:** Our solutions are designed to withstand the demanding conditions of both surface and underground mining operations.
- **Maritime:** We offer corrosion-resistant systems for shipyards and marine facilities.

This diverse portfolio demonstrates our ability to adapt our expertise to various industrial contexts, always prioritizing safety and efficiency.





Our Expertise

Choosing Petro Gold means partnering with a company that offers:

- **Expertise:** Years of experience in rooftop safety bring unmatched knowledge to every project.
- **Custom Solutions:** We design every system to meet your specific needs, ensuring optimal safety for your unique environment.
- **Quality Assurance:** Only the highest quality materials and components are used, ensuring longevity and reliability.
- **Compliance:** All our systems meet or exceed industry standards and regulations, giving you peace of mind.
- **Comprehensive Service:** We support you from initial consultation through ongoing maintenance, ensuring a long-term partnership.
- **Innovation:** Continuous investment in research and development brings you the latest in safety technology.
- **Customer Satisfaction:** Our track record of satisfied clients speaks to our commitment to excellence.
- **Global Reach:** With experience in diverse environments worldwide, we can handle projects of any scale or complexity.
- **Cost-Effectiveness:** Our solutions offer long-term value, balancing upfront costs with durability and minimal maintenance needs.
- **Environmental Responsibility:** We design our systems with sustainability in mind, minimizing environmental impact.



Our Process



LIFELINE PROCESS INSTALLATION

At PetroGold, we follow a comprehensive process to ensure the highest quality of service and safety:

- 1. Initial Consultation:** We begin with a thorough assessment of your specific needs, roof structure, and safety requirements. This involves a site visit and detailed discussions with your team.
- 2. Custom Design:** Our engineers create a tailored lifeline system design using advanced 3D modeling and simulation tools. This design takes into account your roof's unique features and your specific safety needs.
- 3. Proposal and Approval:** We present a detailed proposal and work closely with you to refine it until it meets your exact requirements and budget. This includes a clear breakdown of costs, timeline, and expected outcomes.
- 4. Installation:** Our expert team carries out the installation with minimal disruption to your operations, adhering to strict safety protocols. We ensure that every component is installed correctly and functions as intended.
- 5. Testing and Certification:** We rigorously test the installed system to ensure it meets all safety standards, providing full documentation and certification upon completion. This includes load testing and functionality checks.
- 6. Training and Handover:** We offer comprehensive training for your staff on safe and effective use of the lifeline system, including hands-on demonstrations and safety briefings. This ensures that your team is fully prepared to use the system safely.



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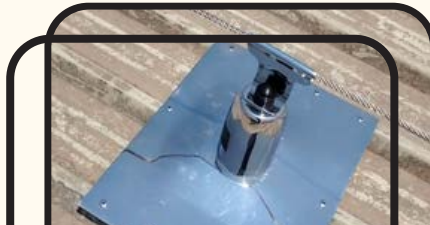
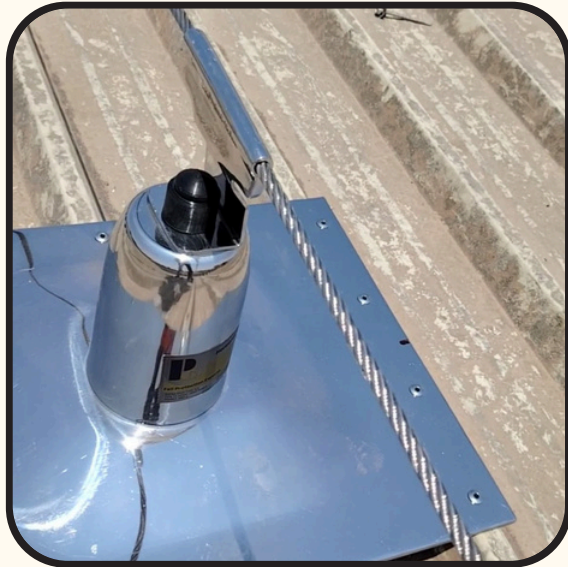
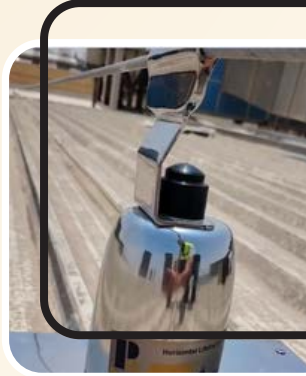
Client: **Edita**

Location: **Factory E7**

Address: **Industrial Zone, 6th of October City**

Solution: **Supply and installation of Fall Protection System (Lifeline System)**

Total Length: **210 meters**



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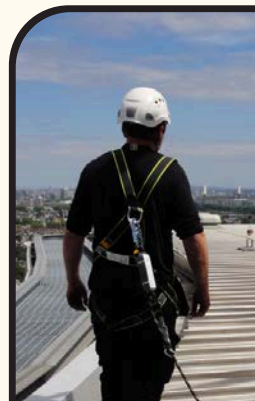
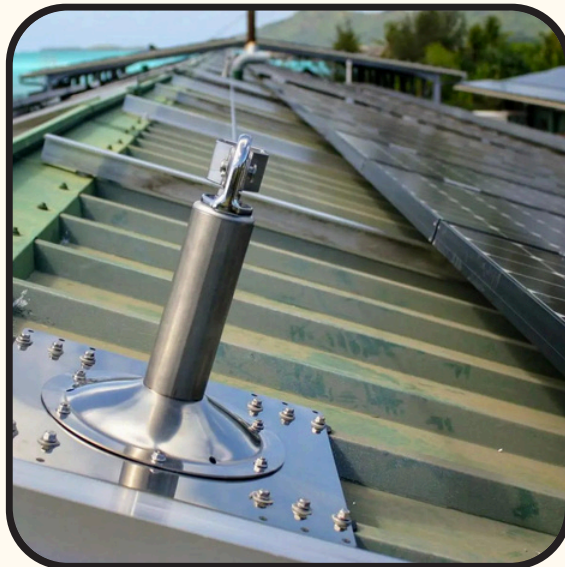
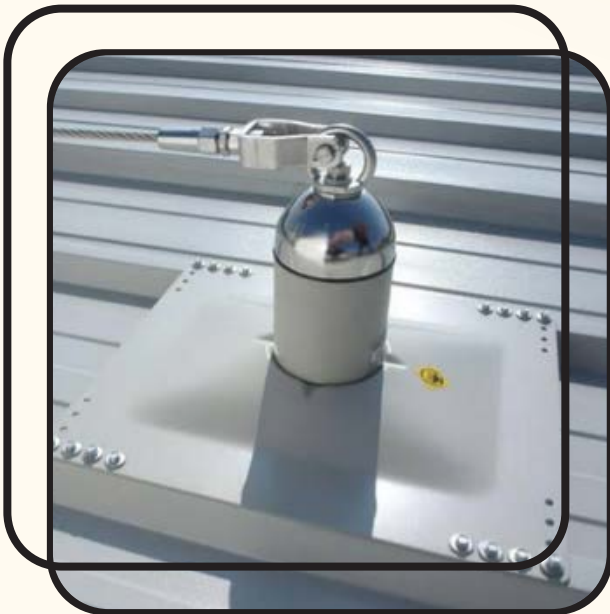
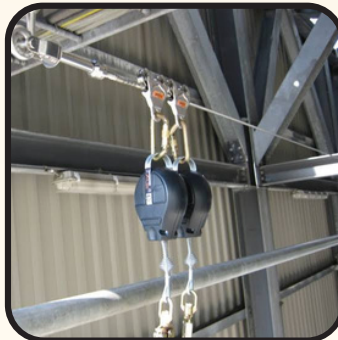
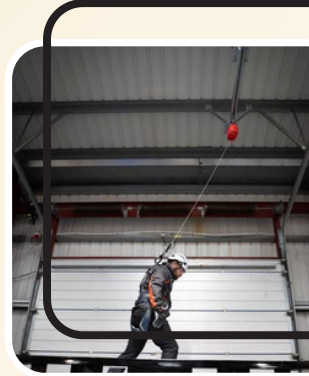
Client: **Elsewedy Special Cables**

Location: **Special Cables Factory**

Address: **Industrial Zone, 10th of Ramadan City**

Scope of Work: **Supply and installation of Fall Protection System (Lifeline System) on the factory rooftop**

Total Length: **500 meters**



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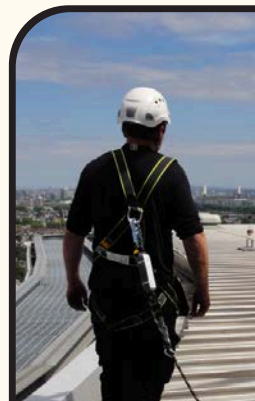
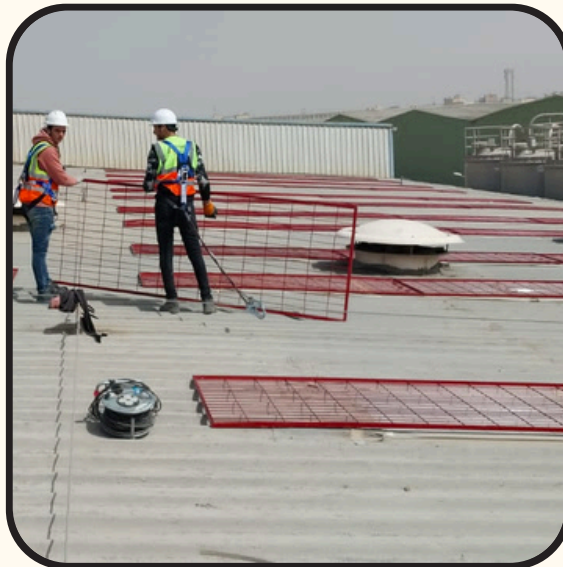
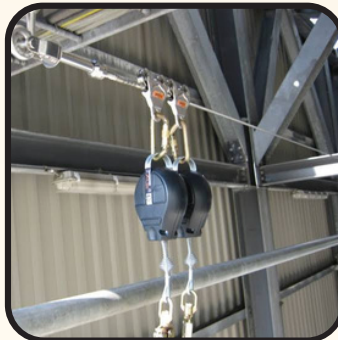
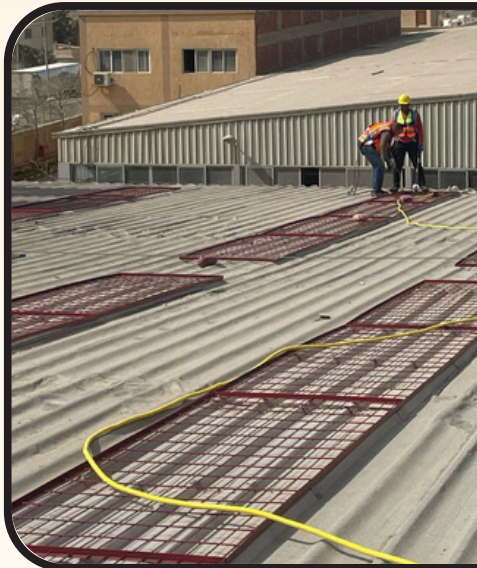
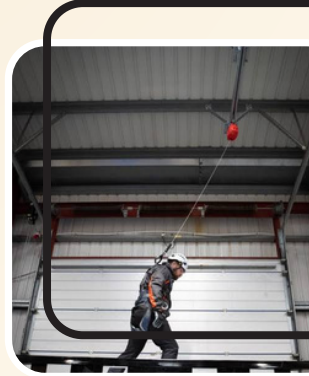
Client: **Bricap**

Location: **Production Hall**

Address: **Industrial Zone, 6th of October City**

Scope of Work: **Supply and installation of Safe Guard system on skylights as a fall protection System**

Skylight Coverage: **510 skylights, each 3.6 meters long and 1 meter wide**



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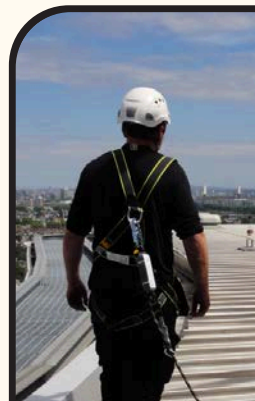
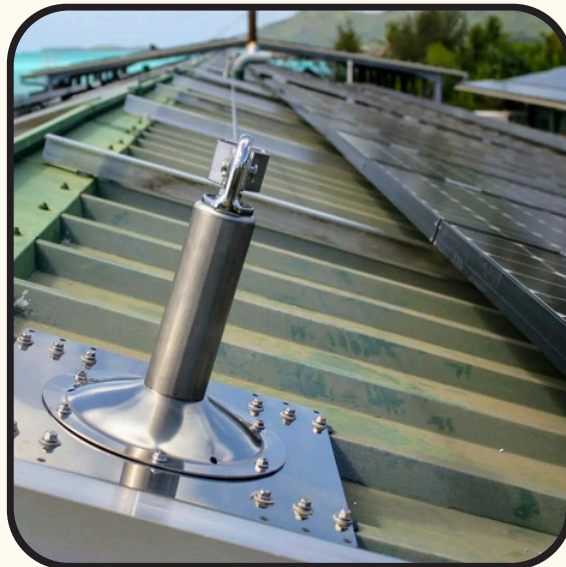
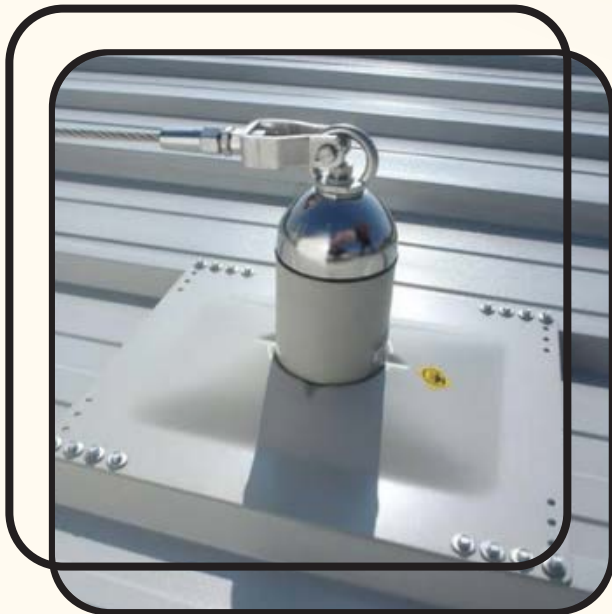
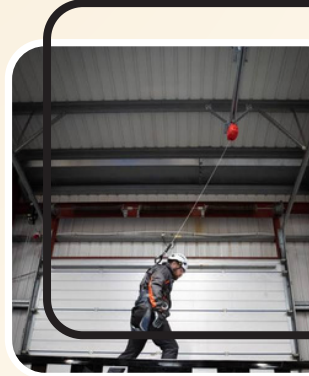


Client: **BERICAP Egypt**

Owner: **BERICAP Egypt**

Address: **Industrial City 6 October**

Solution: PetroGold installed a **custom-designed horizontal lifeline system** covering the entire rooftop about **300M**



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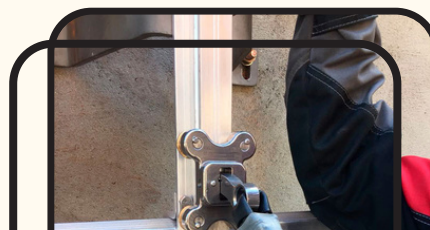
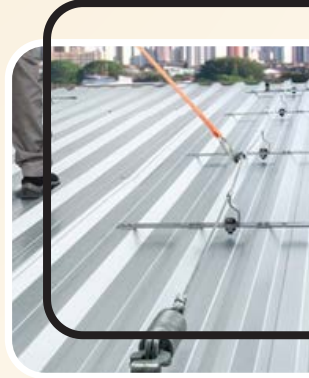


Client: **Al Tawheed**

Owner: **Coca Cola factory**

Address: **Assiut**

Solution: Petro Gold installed a horizontal lifeline system covering about **120M.**



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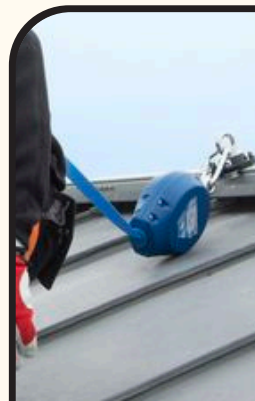
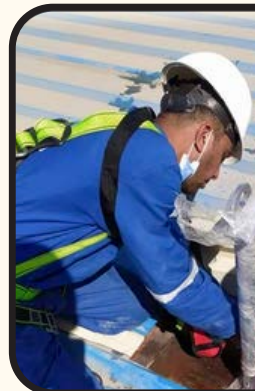
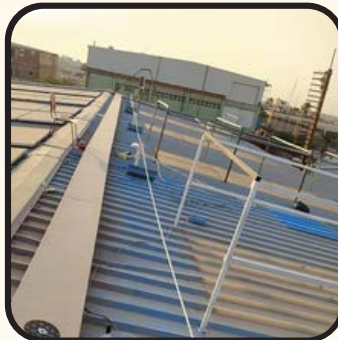


Client: **KAMA STEEL**

Owner: **KAMA STEEL**

Address: **Tenth of Ramadan City**

Solution: PetroGold installed a custom-designed lifeline system covering 6 buildings about **650M**



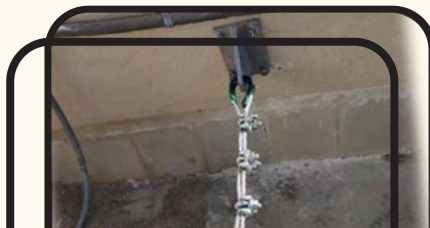
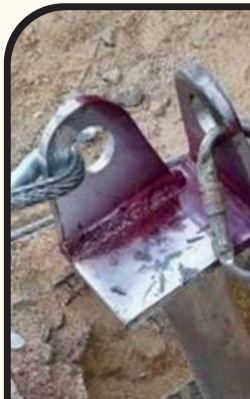
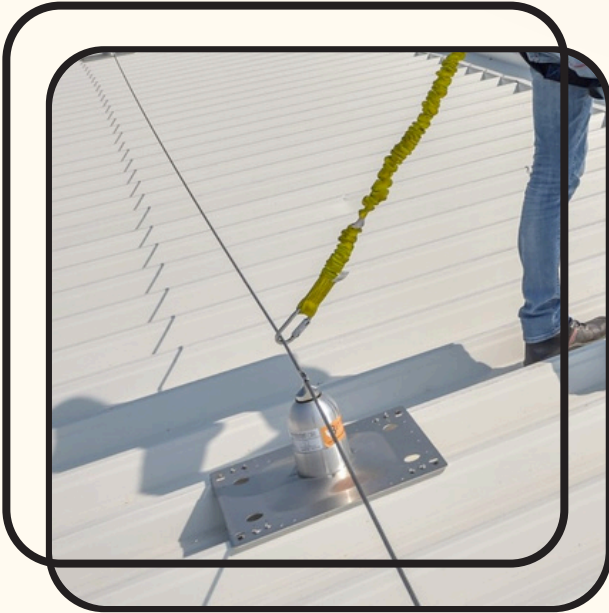
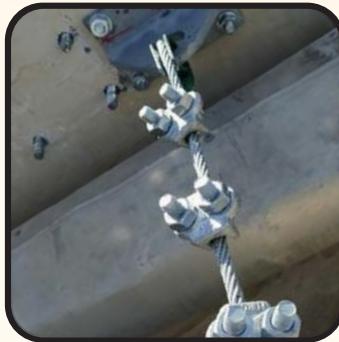
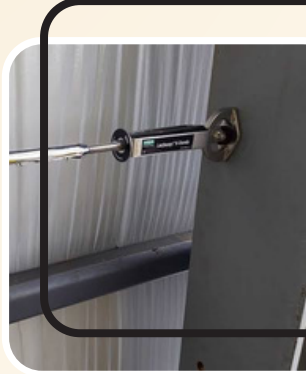
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Client: **Schneider –Site**

Owner: **Schneider –Site**

Address: **Tenth of Ramadan City**

Solution: Petro Gold installed a lifeline system covering about **100M**



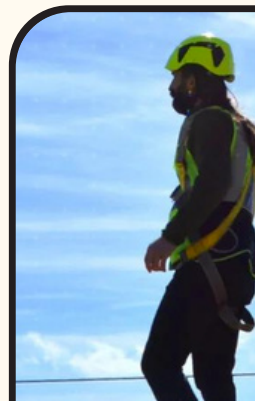
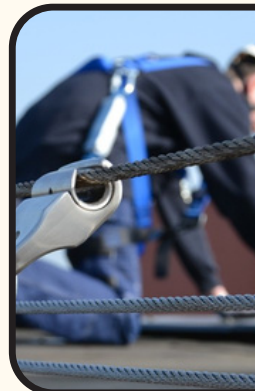
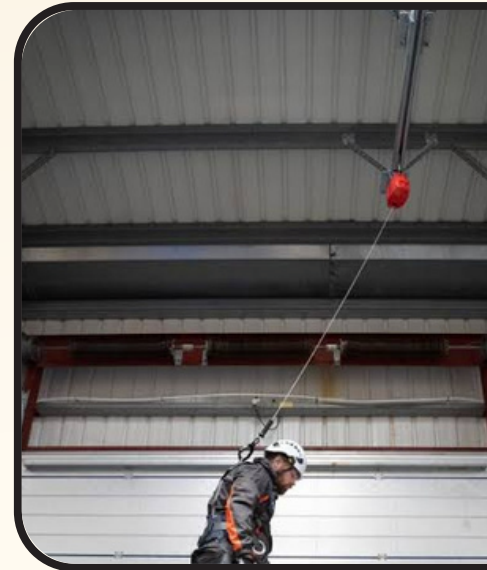
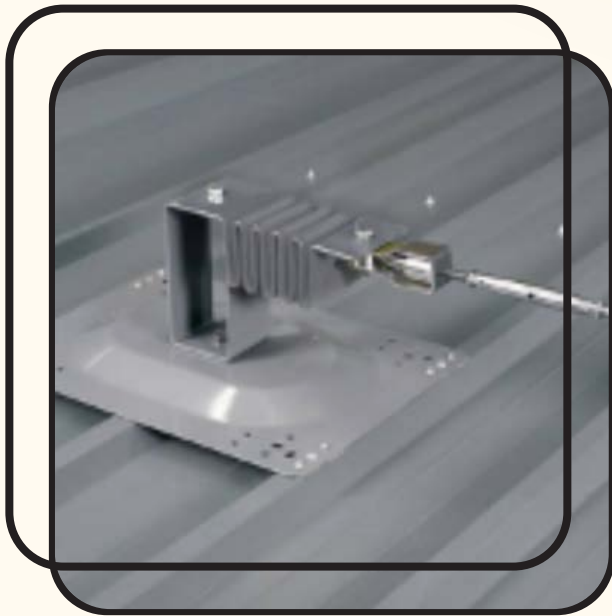
CLIENTS

Client: **Egyptian German Company (EGIC)**

Owner: **Egyptian German Company (EGIC)**

Address: **Beni Suef**

Solution: Petro Gold installed a lifeline system covering about **175M**



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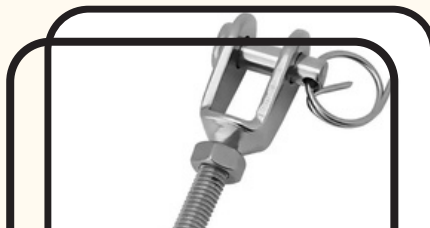
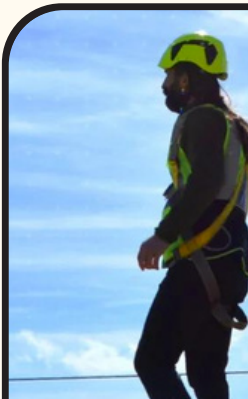
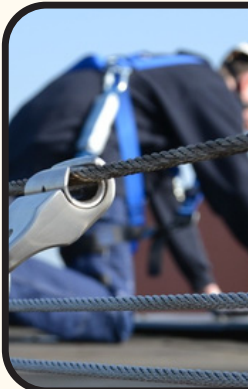
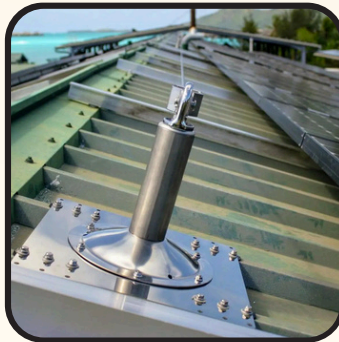
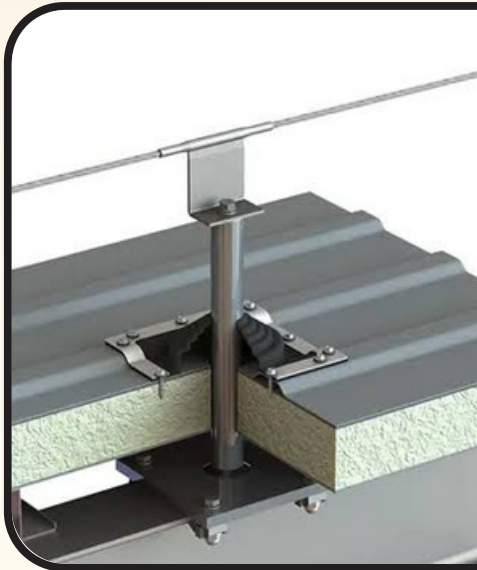


Client: **Infinity**

Owner: **T&C project**

Address: **Obour Industrial Zone**

Solution: Petro Gold installed a lifeline system covering about **520M**





Clients Project Documentation

Our thorough project documentation provides a complete overview of the lifeline systems implementation.

PROJECT DOCUMENTATION

- Detailed project scope and objectives
- Timeline and milestones
- Risk assessment and mitigation strategies
- Technical specifications and system requirements
- Installation procedures and best practices
- Testing and quality assurance protocols
- Maintenance and troubleshooting guides

TECHNICAL DRAWINGS

We offer a full set of professional-grade technical drawings that illustrate every aspect of the lifeline systems project:

- Site plans and layout drawings
- Schematic diagrams of the lifeline system
- Detailed component drawings
- Installation drawings with precise measurements
- 3D renderings for enhanced visualization
- Cross-sectional views of critical areas

CERTIFICATIONS

Our project has undergone rigorous testing and evaluation to ensure compliance with all relevant standards and regulations. Upon request, we can provide:

- Safety certifications from accredited bodies
- Compliance certificates for industry-specific standards
- Quality assurance documentation
- Material and component certifications
- Installation completion certificates
- System performance test results

ACCESSING OUR PROJECT MATERIALS

- We understand the importance of these documents in showcasing our expertise and commitment to quality.
- Interested parties can request access to these materials by contacting our project management team.
- We are more than happy to provide a detailed walkthrough of our documentation, drawings, and certifications to demonstrate the depth of our work and the success of our lifeline systems project.

Clients Sample Documentation



SGS Egypt Ltd.LLC
9G Ahmed Kamel Street, New Maadi, Cairo, Egypt
Tel (+202) 27263069 Fax: (+202) 25200797
E-mail: sama.samy@sgs.com



Certificate of Thorough examination

Certificate Number: F-190201-IND-24/6979997/24/00001/Rev-1

Date of certificate : 01/04/2024

| | | | |
|--------------------------------|---|---|---|
| Client Name and Address | Petrogold Company for Training, Consultations and Petroleum Services Sama Tower, ELHadaek, Kafr ELdawar, Behra | | |
| Client Representative | Eng. Mahmoud Harhash | Inspection Location | Bericap Factory, 6th of October |
| Owner (if different of client) | | | |
| Examination Date | 01/04/2024 | Next Examination Date | 30/09/2024 |
| Type of examination | Visual Inspection <input checked="" type="checkbox"/> | Non-Destructive Test <input type="checkbox"/> | Load Test <input checked="" type="checkbox"/> Calibration/Function Test <input checked="" type="checkbox"/> |

| | | | |
|---------------|-----------|----------------------------|------------------|
| Examined Item | Life Line | Manufacturer / Manuf. Year | Petro Gold, 2024 |
|---------------|-----------|----------------------------|------------------|

| | | | |
|--|--------------|-------------------------|--|
| Last Examination Certificate no./Last Examination Date | Add New/ N/A | Other Document Reviewed | Manufacture Certificates, Calculation Sheet, Life line Design. |
|--|--------------|-------------------------|--|

| Equipment ID | QTY | Description of the equipment | SWL |
|------------------|-----|---|--|
| Serial No.: LF01 | 1 | Life Line Horizontal life line Wire rope life line Safety factor for life line: 1:3 Total length of life line: 307m. Total spans between anchor points: 21 span. Total anchor points: 1 pad eye wall + 22 anchor points with circular steel tube (3.81 cm diameter, 60.9 cm length, 3.2mm thickness). Distance from life line to the roof (20-30) cm. Drop test done by 100kg with a 2m wire. | SWL for each span: only 2 persons (300kg) per 1 span (15m), only 4 persons for entire length of the life line. |

| | | | | |
|---|---|-----------------------------|--|---|
| Is this the first examination after installation or assembly at a new site or location? | YES <input checked="" type="checkbox"/> | NO <input type="checkbox"/> | Was the examination carried out: | |
| | | | Within an interval of 6 months? | 6 Months <input checked="" type="checkbox"/> 12 Months <input type="checkbox"/> |
| If the answer to the above question is YES has the equipment been installed correctly? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | In accordance with the examination scheme: | YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> |
| | | | After occurrence of exceptional circumstances: | YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> |

Note : *The system consists of 21 spans (17 spans of 15 m, 1 span of 12.5 m, 1 span of 18.5m, 1 span of 12 m, and 1 span of 7 m, all ended by a pad eye wall. Wire rope is distributed along the life line at different distances; each distance has 1 turnbuckle, 1 energy absorber, 6 clips, and 2 thimbles. The wire rope diameter is 10mm (6x19 + IWRC), the total turnbuckle is 13, the Energy Absorbers absorbers are 13, Total thimbles are 28, and the total clips are 83
*All anchor points are circular steel tube welded to base plate and the base plate connected to main beams of the roof with 4 bolts of each anchor point with Serial : PG-01-1 to PG-01-20

Observations / additional comments relative to this thorough examination: NONE

Identification of any part found to have a defect which is or could become a danger to persons and a description of the defect (If none state NONE): NONE

Is the above a defect which is not yet but could become a danger to persons (If YES state the date by when): NONE

Particulars of any repair, renewal or alteration required to remedy the defect identified above: NONE

| | |
|-----------------------------------|--|
| General Notes and Recommendations | <ul style="list-style-type: none"> This Certificate becomes invalid if any Repair/modification is done that affects strength or stability. Any holder of this document is advised that the information contained hereon is limited to the accessible portions of the item examined only. Equipment has been correctly installed and fit for the purpose This Certificate should be signed, stamped and carries unique SGS certificate number |
|-----------------------------------|--|

Reference to the examination carried out, the equipment was found satisfactory at time of inspection and safe for use. We hereby certify that the above item described in this certificate was tested and examined by inspector code 90642 on date 01/04/2024 according to standard EN 795: 2012 & EN 11578:2015 & CEN/TS 16415:2013 and that the above particulars are correct.

| | | | |
|-----------------------|---------------|--------------------------|---------|
| Issued / Inspected by | Reviewed by | For SGS Egypt | QR Code |
| Ahmed Tarek | Sama Samy | Dr.Eng. Mostafa Kotb | |

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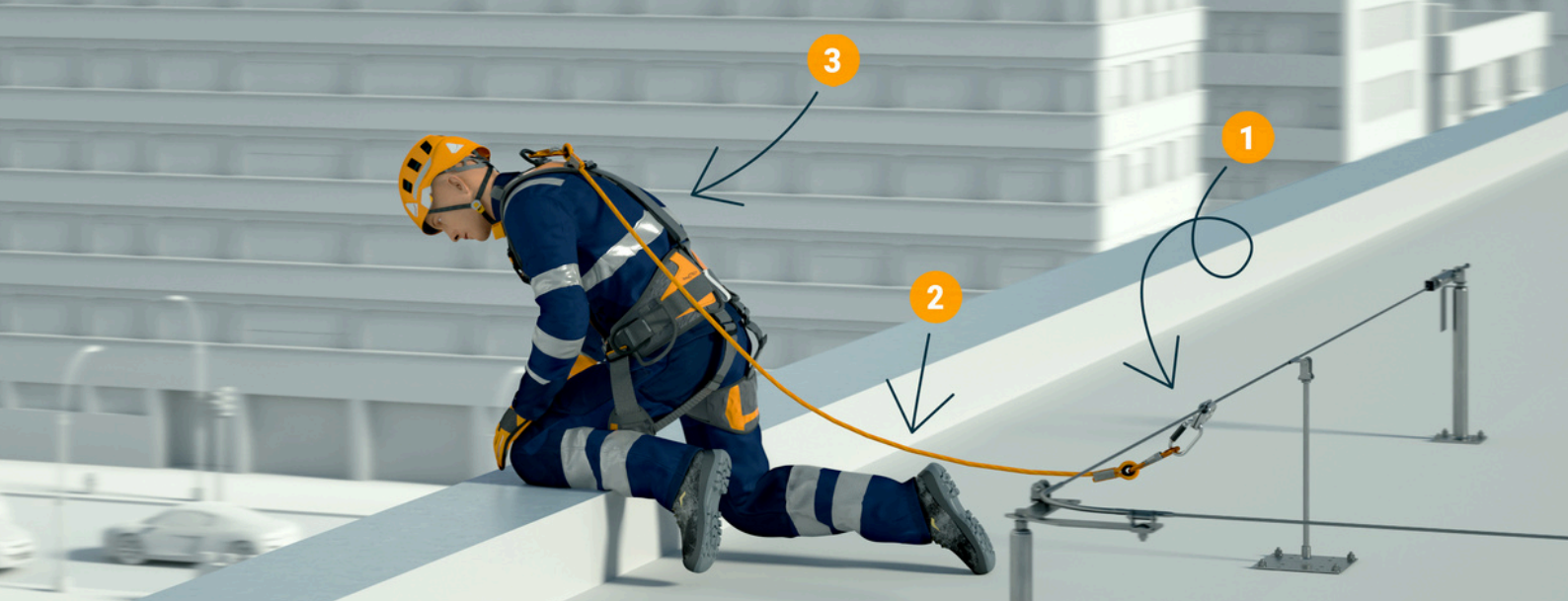


Safety Standards and Compliance

At Petro Gold, safety is not just a feature of our products, it's the foundation of our entire operation.

We maintain a rigorous commitment to safety and compliance across all aspects of our business:

- **Certifications:** We hold ISO 9001:2015 for Quality Management and ISO 45001:2018 for Occupational Health and Safety Management.
- **Regulatory Compliance:** Our systems comply with major international standards including OSHA, ANSI, EN, and AS/NZS.
- **Regular Audits:** We conduct internal and third-party audits to ensure consistent adherence to safety standards.
- **Continuous Training:** Our staff undergoes regular training on the latest safety protocols and industry best practices.
- **Risk Assessment:** We perform comprehensive risk assessments for each project to identify and mitigate potential hazards.
- **Documentation:** Detailed safety documentation is provided for all installations, including load calculations and testing reports.



Innovation and Technology

Petro Gold stays at the forefront of lifeline system technology through continuous innovation:

We stay ahead in lifeline system tech by always looking for new ideas

- Our small team is big on creativity and problem-solving
- We focus on practical innovations that make a real difference

HERE'S HOW WE DO IT

- Regular brainstorming sessions to spark new ideas
- Partnerships with local universities for fresh perspectives
- Continuous training to keep our skills sharp
- Feedback loop with clients to understand real-world needs
- Testing new technologies in controlled environments
- Gradual implementation of successful innovations

RECENT INNOVATIONS

- Improved sensor technology for faster emergency response
- User-friendly mobile app for system monitoring
- Energy-efficient components to reduce operating costs
- Enhanced data analytics for predictive maintenance

FUTURE GOALS

- Explore AI integration for smarter system management
- Develop more eco-friendly materials for our systems
- Investigate VR/AR for better training and maintenance

At Petro Gold, we believe that even small companies can make a big impact through smart innovation.


Contact Information

Ready to elevate your safety standards with Petro Gold's lifeline systems?

Contact us today to discuss your needs and discover how we can create a safer working environment for your team.


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