COMPLETE RANGE OF LIVING QUARTERS AND HELIDECKS

Our reputation is built on:
• Uncompromised quality
• Lightweight aluminium solutions
• Durable solutions
• One-stop-shop solutions, including:
  » After Sales service & Maintenance
  » An efficient and flexible project organisation

State of the art living quarters – both in steel and aluminium.
Available as standard modules or as made-to-order. Worldwide delivery.

Apply Leirvik will increase its focus within after sales, and organise all its after sales activities in a new business unit in 2011, offering LQ after sales, spares, and maintenance and modifications.

Apply Leirvik Reanco is an experienced player in the field of upgrading offshore living quarters, specialising in Offshore and Marine floorings including raised access floor and accommodation systems.

Apply Leirvik Reanco has a proven track record based on:
• 35 years of experience on the Norwegian shelf
• Turnkey project planning and delivery
• Cost-effective and smart solutions
• Multi-discipline skilled workers
• Good service and follow-up
• Competitive prices
The Oil & Gas industry faces three emerging trends in the coming years: Moving deeper offshore in the exploration of resources has necessitated new technology to deal with the harsher environments; changing statutory requirements in the form of higher HSE and living standard minimums; and ageing installed platforms in the North Sea and worldwide.

With a vast collective experience and having delivered more than 200 LQs and 300 helidecks, Apply is in prime position to meet these challenges. Norway based Apply Leirvik is an aluminium LQ specialist; Sweden based Apply Emtunga is a leading steel modular LQ designer and fabricator. Norwegian Apply LQ Partners refurbishes and implements life extension programmes for existing LQs. Singapore based Aluminium Offshore is the global specialist supplier of aluminium helidecks and related structures.

Combining our respective specialist knowledge and competencies, we have established Singapore based Apply Leirvik International Pte Ltd (ALIP). Through ALIP, we will serve the emerging Asian and Australian markets. Leveraging our European project design and management expertise with efficient lower cost supply chain and fabrication solutions from Asia, ALIP will deliver modular aluminium LQs and utility modules.

Our industry prospects are bright - with an estimated annual market growth rate of 22% over the next five years. We are excited about the prospects of ALIP and are confident that the Apply group is well positioned to benefit from the growth of the LQ industry. We will strive to continuously improve our working processes and increase our delivery capacity whilst maintaining our strict safety and quality requirements for the benefit of you, the end Customer.
The complete supplier of living quarters for the offshore industry.

Apply develops and delivers steel- and aluminium living quarters, helidecks and related lightweight aluminium structures for the offshore markets.

State of the art living quarters, with world wide delivery. Available as standard modules or as made-to-order.

Tailormade Concepts > 4
Our project organization has decades of experience to develop exactly the living quarters or utility modules for your requirements.

Modular Concepts > 6
Accommodation units that are designed and fabricated using our Modular Section Principle.

Helidecks > 8
Produced in aluminium – the most flexible, efficient and safe choice for helideck construction.

Upgrading & After Sales > 10
A total supplier of offshore architectural services, specializing in rehabilitation of LQ modules and control- & interaction-rooms.
With custom built living quarters from Apply Leirvik and Apply Emtunga, you choose and we produce.

As a leading EPC contractor for major offshore Living Quarters for over three decades, we specialize in building, assembling and installing tailormade accommodation modules that fulfill every specification and need a customer might have.

Utility Modules >

Apply Leirvik and Apply Emtunga offer a wide range of topside modules and service modules within the Utility Modules and Living Quarters segment.
Tailormade Concepts

Level of comfort. Lifetime of the installation. Climate and weather conditions. These are just a few of the variables that must be considered when choosing a living quarter for an offshore installation.

Our experienced and innovative project organizations have the necessary expertise to develop just the right concept, meeting every requirement from our clients.

We can deliver tailormade living quarters in both steel and aluminium. And though specifications regarding comfort and price may vary from project to project, we ensure that all our living quarters fulfill the same high standards for safety.

For us, every new project is a partnership – from design to installation. Our international experience from working both offshore and onshore has taught us the value of a close working cooperation between clients, engineers and production personnel to obtain success in a project.

We can offer EPC contracts from concept engineering to final documentation. All engineering and fabrication is performed in-house. We can also offer fabrication of other topside modules, like water treatment, process related etc., as a subcontractor for a main contractor.

BUILT IN ALUMINIUM

Aluminium is safe and suitable for accommodation modules and other offshore installations. Factors that favour aluminium are low weight, no surface treatment necessary and lower maintenance costs – which leads to minimum life cycle cost.

BUILT IN STEEL

Our steel structures are based on the light weight stressed skin principle. All fabrication is performed indoor at our wellproven fabrication line which enables us to deliver Living Quarters in the shortest possible time.

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Our dedicated and highly motivated engineers are experts in their field. Over the years they have become masters of developing custom built solutions that gives the customer exactly what he wants.
We have perfected the art of stacking boxes.

In addition to our tailor-made living quarters, Apply Emtunga, Apply Leirvik and Apply Lervik International can deliver accommodation units that are designed and fabricated using our Modular Section Principle. With this approach, we divide our living quarters module into a number of smaller module sections. These are stacked side-by-side or on top of each other – forming a living quarter that supports the customer’s requirements.

Unique aluminium modular concept >

Apply have developed a new and unique modular concept for aluminium living quarters, the Alutech® modular aluminium Living Quarters. We are bringing together “the best of both worlds” from Apply Emtunga and Apply Leirvik, and are able to deliver low cost modular living quarters with aluminium’s advantages of high quality, low weight and no need for maintenance.
Modular Concepts

The Modular Concept fabrication method has a number of advantages:

• **It is light and strong.** The modular sections connect to each other and form a strong structure in all dimensions. The completed module frameworks form a rigid self-supporting unit, strong enough to withstand lifting forces and heavy blast loads. Our sophisticated calculation methods enable us to optimize the dimensions of both profiles and plates, thus providing the lightest construction possible based on the load criteria from client and, of course, current regulations.

• **The fabrication logistics are simplified.** With all modular sections fully outfitted on the workshop floor, lots of time is saved in logistics. All material and equipment is easily lifted inside and installed in each modular sections, and each modular sections is pre-tested and weighed before final assembly.

• **The method enables us to start up fabrication in any sequence.** For example, the top level of a living quarters could be started up long before final design of the bottom level is completed.

• **Transportation across the world is simplified.** The modular sections can be transported by ordinary ships and trucks and hooked up to complete quarters or modules at yards, sites or directly onboard the offshore installation.
From the harshest offshore environments to the most complex onshore projects, aluminium is the most flexible, efficient and safe choice for helideck construction.

Aluminium Offshore is a pioneer in the design and production of aluminium alloy structures. The company and its subsidiaries have built up a reputation for impeccable design, flawless execution and solid customer service. We offer a complete design, supply and assembly package to customers who are looking to upgrade traditional steel and concrete designs to a lighter and corrosion resistant metal.

Why Aluminium Offshore? >

Aluminium Offshore offers unparalleled expertise in designing and fabrication of helidecks for both offshore and onshore applications. Our Astech® Enhanced Safety and Standard helidecks together with our timber refit decking system offer complete helicopter landing solutions for old and new offshore platforms, floating units and infrastructure projects onshore.
Helidecks

The most critical moments of helicopter operation are during landing and take-off. An accident at either of these stages can result in hundreds of gallons of jet-fuel spilling from ruptured fuel tanks in the belly of the aircraft.

To reduce these risks and make passenger safety a top priority, Aluminium Offshore has developed the Astech® Enhanced Safety helideck. This deck incorporates a patented, passive fire-retarding system which works by allowing burning fuel to pass through densely packed layers of compressed aluminium explosion suppression mesh. The mesh is packed in batts inside the punched heli-decking which comprises the landing surface. A full-perimeter drainage system ensures that liquids are channeled, sub-surface, from heli-decking to drain. Burning fuel is starved of oxygen and rapid heat dissipation occurs in the mesh. The fire is retarded immediately. Spilt fuel is quickly and safely drained away unburned and any remaining vapour burn-off can be extinguished in seconds with minimal water spray.

Tests show that up to 97% of spilt fuel is recovered unburned.

In addition to our flagship, Astech® Enhanced Safety helideck, we offer a wide range of other helidecks, helipads and heliports for offshore and land based installations and buildings, as well as other offshore structures, helideck support frames and fire fighting systems.

WHY ALUMINIUM?

Lightweight
An aluminium structure will weigh 40–50% lighter than an equivalent steel design, making it easier to fabricate, lift and install.

Low maintenance
Aluminium alloys are naturally corrosion resistant. The result is a significantly reduced maintenance cost, particularly for offshore projects.

Cost effective
Factoring in reduced installation, maintenance and other ancillary costs, aluminium is a more cost effective solution over the project life cycle.

Safety
Our Astech® Enhanced Safety Deck uses the unique rapid thermal dissipation characteristic of aluminium to channel heat away from hot spots and eliminates fire automatically.

We design and fabricate complete helidecks that fulfill the highest safety demanded by our Clients and Safety Regulations. Our helidecks are transported in knock down form for easy installation in all locations from North Sea to Australia.

We offer a one-stop contact point for the entire project, as all engineering and project management are performed in-house.

Aluminium Offshore is a specialist designer in aluminium helidecks and structures. Through our experience and dedication to quality, we have continuously delivered safe and cost effective engineering solutions to our valued clients for more than 20 years.

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In maintenance and upgrading of offshore living quarters, the importance of knowledge and experience in all phases of design and construction is the key to success.

Apply LQ Partner is a total supplier of offshore architectural services, specializing in rehabilitation of LQ modules and control- & interaction-rooms. In addition, we produce raised access floors, stairs and railings.

Services >

- FEED
- Design
- Documentation
- Material Delivery
- Installation and commissioning
After Sales

Apply LQ Partner has become the leader in the field of upgrading and modifying offshore living quarters.

Special knowledge and understanding of how the total construction and individual elements interact, is key to find the solutions for lowest lifetime cost while satisfying the customer’s functional requirements. In Apply LQ Partner we have this expertise, and can offer a full range of services.

Our special floor system range from new generation lightweight screeds, through proprietary aluminium Raised Access- and Floating Floor systems, as well as floor finishes for all purposes.

Certification

Apply LQ Partner products and services operate under our stringent Quality Management System in accordance with NS ISO 9002.

Our full product range includes:

- Interior / modification
- Walls / ceilings and doors
- Glass walls
- Floor
- Furniture
- Stairs and railings
- Control and interaction
- Cool and freezer rooms
- HVAC, telecom, instrumentation, electrical, etc.

Quality is key in our approach to products and services, as well as our ongoing R&D for new and improved products for the after sales market.

LET’S PARTNER UP!

Choosing Apply LQ Partner has several benefits for the customer:

- Long experience (35 years)
- “Turnkey” project planning
- Competitive pricing
- Cost-effective and smart solutions
- Multi-disciplinary skilled workers
- Good service and follow-up
- Flexible organisation
- Quick response

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Apply offers a full spectrum of competencies, products and services within our business areas. By coordinating and integrating processes and resources, and by building on our core capabilities, we deliver complete solutions to our customers – both offshore and onshore.

Apply has an annual turnover of some 3 billion NOK and approximately 2000 permanent employees, of which more than 900 are working within engineering and project management. We are well positioned for further expansion.