HEAVY LIFTING WITH HIGH PRECISION AND SAFETY

TUNGA LYFT
EXPERIENCE, EXPERTISE AND SOPHISTICATED TECHNOLOGY

We are lifting experts. We lift everything from strong-boxes and bridges to whole buildings.

We have been in the business for a long time. The company has its origins in Skanska but we have been operating under the Tunga Lyft brand name since 2006, during which time we have doubled in size to become Sweden's largest heavy lifting company.

Our know-how is also in demand outside Sweden's borders and we are constantly taking on lifting assignments on all continents.

The company is built on three cornerstones: experience, expertise and highly sophisticated machinery.

While our know-how is deployed mainly in infrastructure and the industrial sector, we accept heavy lifting and haulage assignments in most industries. We have accumulated an extensive expertise in the offshore sector, for instance.

But our technology and expertise really come into their own when the job requirements are unorthodox and when there are no clear-cut solutions. Each lifting job is unique, has its own set of special circumstances and in essence relies on a close working relationship between us and you as the customer.

Our personnel have the expertise and the experience is passed on from “master to apprentice”. This is a job where each new assignment can bring whole new challenges.

TUNGA LYTFT IN BRIEF

- About 50 employees
- Five depots – Malmö, Gothenburg, Stockholm, Karlstad, Luleå
- Head office in Malmö
- Turnover approx. SEK 55 million (2011)
- Owners: Conny Plato and Rolf Nilsson
- Lift/launch capacity 100 kg – 40,000 tonnes

There are several advantages to letting us handle the entire lifting or launch project. We take responsibility for all aspects of the project from planning to execution. We also take care of all the logistics, which means we have control of all the technology and can maximise safety for the project. And in the long-run, it means financial benefits for you.
Du ser oss överallt där hus byggs och renoveras, där vägar dras fram och där broar anläggs. Hos oss kan du hyra allt du behöver vare sig det gäller en enkel borrmaskin, en stor lift eller utrustning till ett helt byggprojekt.

Du hittar närmaste kundcenter på www.ramirent.se
EQUIPMENT FOR ALL KINDS OF LIFTING

We own all our machinery. We also invest continuously in new machinery and have the very latest in state-of-the-art equipment. But sometimes that's not enough. We attribute much of our success to our ability to manufacture equipment that is unavailable in the market. We are always combining, designing and testing new equipment. We also obtain CE-marking for machinery that satisfies our requirements.

LAUNCHING

This is an area where we truly excel. Our systems can handle loads of up to 30,000 – 40,000 tonnes. We are unique in implementing rolling launches up to very high weights. Our assignments vary in size and method of execution, ranging from bridges, large machines and boats to power transformers. We arrange, combine and connect our launch systems in a way that ensures optimal efficiency in each job. It is always imperative to know at an early stage which parameters each individual construction is particularly sensitive to.

Our small launch system is a downscaled version of the conventional system. Easily handled and ideal for smaller jobs such power transformers and smaller machines.

Our big launch system is highly flexible and used for applications of 100 tonnes and higher.

The system comes with a large number of launching girders. We have around 2,000 tonnes of girders in stock.

One transformers for boats.

We'd also like to mention in passing that we launched all the sections of the Oresund Bridge, a job included pillars, cofferdams and prefabricated bridge sections weighing in excess of 6,000 tonnes.

JACKS AND LIFTING MASTS

With the equipment at our disposal we can build lifting jacks customised for a wide range of lifting requirements.

HERE ARE SOME EXAMPLES:

- Hydraulic Gantry/Strand jacks 15-180 tonnes
- Climbing jacks 100 – 800 tonnes, customisable in a wide range of versions.
- A very wide range of lifting cylinders from 5 to 500 tonnes
- 100-tonne lifting masts – customisable to your needs.
- Movable gantry crane – convenient, mobile trestles max. load 1,500 kg.
- Aluminium gantry – extremely lightweight, perfect for tight spaces, max. load 750 kg.
- Lifting bag

Masts for lifting or piling are available in a range of dimensions and capacities. They can be constructed to meet the specific requirements of each individual assignment.

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STRAND JACKS
A tried-and-tested technology that often provides a simple solution in certain situations. Each wire has a normal load capacity of 15 tonnes. The number of wires needed therefore depends on how heavy the job is. Strand jacks come in sizes from 15 to 180 tonnes in load capacity.

HEAVY HAULAGE – MACHINE MOVEMENT
We have a comprehensive service. We can move whole plants or individual machines and we cover all parts of Sweden and other countries too. We normally are entrusted with all aspects of the project from transportation to assembly and storage.

These assignments normally require special equipment and vehicles. We have our own mobile cranes, trailers and a range of trucks.

Safety box is another of our specialities.

MACHINE ASSEMBLY
Many of our assignments involve assembling machines of all types and sizes, including overhead cranes, escalators, radiation units, ventilation plants and even complete printing lines. They are usually very demanding jobs, where shortage of space and very limited access are a common problem.

RIGGING
We provide companies in heavy industry with qualified rigging personnel that have documented training. You can hire riggers or let us take care of the whole project. It can be anything from renting a van rigger to assign the rigging work to us.

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CCM SPEDITION AB
www.ccmsped.se
EXPERTISE THAT MAKES A DIFFERENCE

Heavy lifting requires the right machinery, but more importantly it requires skilled people to handle the equipment. At Tunga Lyft we have a large number of employees, all with long professional experience in the industry. Their experience is invaluable to us. As there are very few training programmes for riggers or assembly engineers, we have adopted a system where experience is passed on to new employees. It’s an internal training process that ensures the continued existence of a knowledgeable, highly-trained workforce.

When employing new people we normally rely heavily on recommendations in order to find the right people. We generally look for people who have some previous training or experience of metalwork, welding or hydraulics.

All personnel undergo continuous training in the use of new equipment and also:

- Lifting & Safety
- Fall protection
- Hot work
- HLR
- Overhead cranes
- Lifting
- SSG

All rigging work, i.e. assembling and applying lifting equipment, takes time. Rigging accounts for the bulk of the assignment – the crucial preparation work. This is where expertise and experience come in. The actual lifting stage is usually a quicker – but no less important – process.

PROJECT PLANNING AND EXECUTION

A “normal” lifting project usually breaks down into the following principles:

- Review or preparation of drawings.
- Choice of lifting/launch method, according to factors such as space and surface.
- If necessary, we manufacture the lifting equipment or supplement it.
- Our riggers assemble the lifting equipment.
- Execution of lift or skidd.
- Post inspections and measurements when the project is completed.
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We were commissioned by Göteborg Energi to move a 50-tonne power transformer from a power station to an underground rock chamber. First, the transformer was skidding five meters outside the building, then lifted with 122-tonne hydraulic gantry and loaded onto a trailer. The load, which weighed 97 tonnes, was driven to the caverns, where the transformer was unloaded by crane and moved on rails into position in the caverns. Beforehand we had removed an old, disused power transformer from the caverns.

What was special about the assignment was that the transformer was filled with oil and we were moving it across a water protection area. Although we had a decontamination truck standing by the whole time, we simply could not afford to let anything happen. The move was meticulously prepared; each stage planned and double-checked to the last detail. Planning and foresight are the watchwords in our work. Nothing must be allowed to happen to our employees or anyone else, and nothing should be allowed to happen to the goods in transit.
Företags-finansiering på väg!

Vi kan hjälpa dig att finansiera exempelvis löpande likviditet och investeringar, expansion och förvärv av verksamhet. Och har du inte tid att komma till banken så kommer vi till dig.

Läs mer och boka möte på seb.se/helaforetagaren eller ring 0771-62 53 53.
MOVING A PARIS WHEEL

We moved ‘Liseberghjulet’, a 60-meter-heigh Paris wheel from Lilla Bommen to Liseberg amusement park in Gothenburg. Despite a number of Gothenburg locals jokingly suggesting that we ‘roll it’ all the way, the wheel had to be dismantled into manageable sections for further transportation to a cleaning facility. This made tough demands on the logistics. The first section that we dismantled was also the last section to be delivered, which required the transportation phase to be planned carefully.

When the move was completed we erected a memorial stone, a 14½-tonne granite slab, on SKF’s behalf.

Once inside the Liseberg amusement park, we had to exercise great caution as we were working right next to Terrarium Universum. There was a risk that the vibrations from the setting work might crack the display glass, releasing various species of less-than-desirable spiders and snakes into the open.
**ESCALATORS**

**– A SPECIALITY**

Escalators may not seem like a big deal when you are using them to get from floor to floor. But installing them is a task that makes the highest demands on lifting expertise.

Even in sections, escalators are generally very long and require plenty of space. Replacing old escalators or installing new ones in old buildings can present a real challenge; there are usually plenty of obstacles and the solutions sometimes need to be ultra-creative.

Installing escalators has become one of Tunga Lyft’s specialties. We installed the escalators in Malmoes Citytunnel stations, a job consisting of some 30 escalators of varying size.
TUNGA LYFT

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