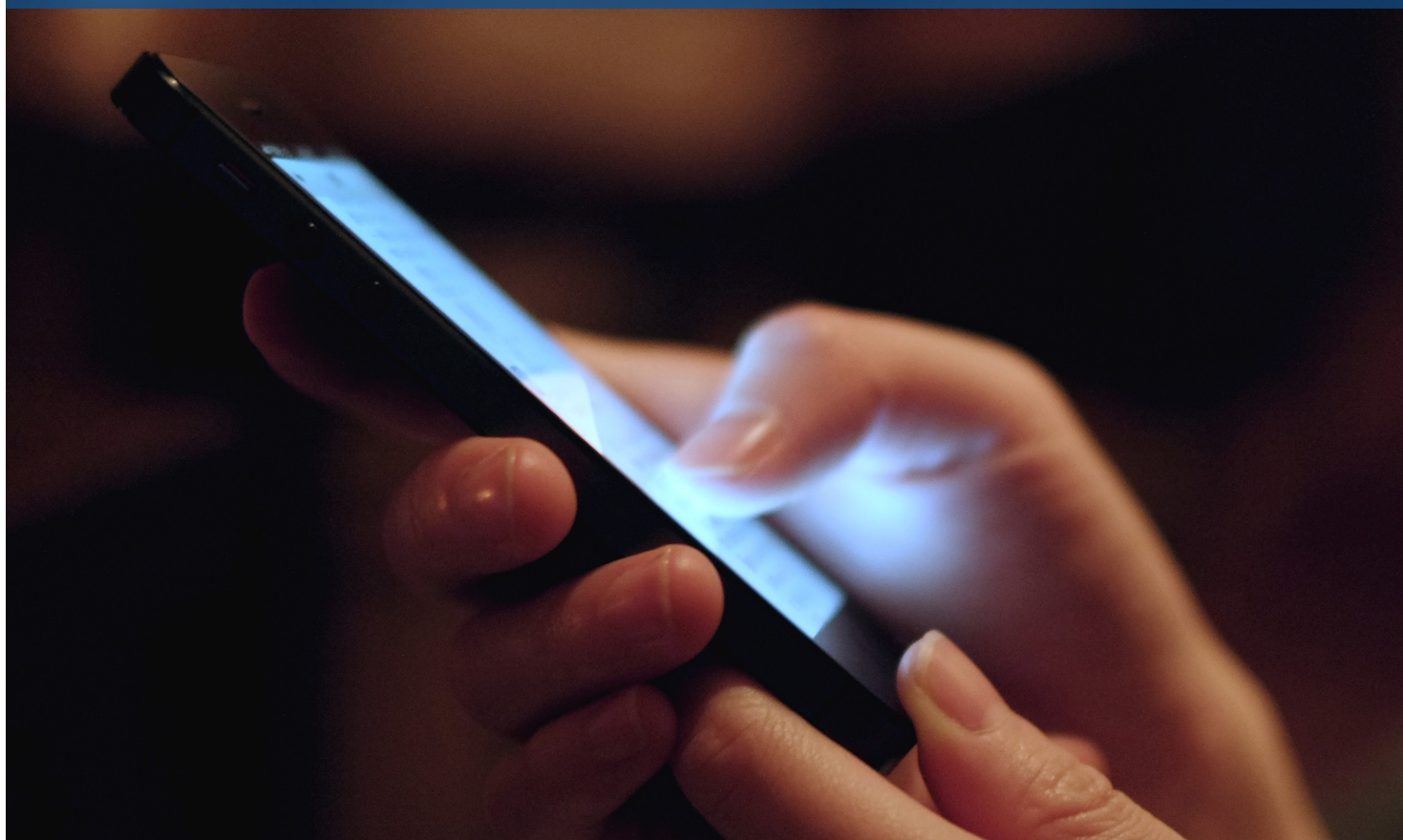


# LIGHT TRANSPORTATION FOR MOBILE DEVICES



YOUR  
PACKAGING  
SOLUTION.

**NEFAB**

Secure and efficient packaging solutions are crucial for a cost-effective supply chain.

## IMPROVING YOUR SUPPLY CHAIN.

MILLIONS OF HIGH VALUE CONSUMER ELECTRONICS ARE SHIPPED AROUND THE WORLD EVERYDAY. SECURE AND EFFICIENT PACKAGING SOLUTIONS ARE CRUCIAL FOR AN OPTIMIZED SUPPLY CHAIN AS AN INSUFFICIENT SOLUTION CAN EASILY RESULT IN HIGH TRANSPORTATION COST OR THEFT.

→ Nefab is a global provider of complete packaging solutions with specialized solutions for high value electronics and consumer electronics. We offer complete packaging solutions with global service and supply for many companies within the consumer electronics market. Our highly engineered solutions have helped companies optimize their cost of global distribution for over sixty years.

### SOLUTIONS FOR AIR FREIGHT

Having the right packaging is essential for the whole supply chain, especially for a supply chain

that involves air freight shipments. Every part of the packaging needs to be optimized, because everything comes down to weight. Nefab's solutions are developed to optimize the packaging throughout the whole supply chain - from production to end-customer. Our dedicated teams consisting of key account managers, designers and engineers coordinate global projects with deliveries to customers in every corner of the world.



With a footprint covering more than thirty countries, we are able to provide local service and supply to all industrial areas of the world.



We have several ISTA Certified Test Labs located at different locations around the world. This allows us to provide full-service, design, sampling, testing and advance simulations.

## Solutions for Light Transportation

BY NEFAB

OUR LIGHTWEIGHT PALLETS ARE FLEXIBLE IN TERMS OF BOTH PERFORMANCE AND SIZE, AND ARE ALSO ISPM #15 COMPLIANT. THE PALLETS HAVE OPTIMIZED PRODUCT PROTECTION AND MINIMUM WEIGHT WHICH ALLOWS FOR CUSTOMIZED SOLUTIONS THAT GO BEYOND STANDARD MEASURES. WITH NEFAB'S LIGHT WEIGHT PALLET (LWP) YOU CAN SAVE MONEY ON ALL TRANSPORTS WHERE WEIGHT PLAYS A MAJOR ROLE IN THE COST.



### CORNER PROTECTORS ON THE LID AND BOTTOM

Nefab patented Light Weight Pallet with hollow steel cans, corrugated frame and corner protections on lid and bottom for added support. Corrugated sleeve can be replaced with a plywood sleeve if extra protection is needed.



### STEEL PROFILE ON LID AND BOTTOM

Nefab patented Light Weight Pallet with Nefab ExPak, a plywood based concept with steel profile on lid and bottom to secure a strong seal. Using an ExPak frame instead of corrugated sleeve is a good choice when you need stronger product protection.



### LIGHT WEIGHT PALLET

The Nefab Light Weight Pallet is constructed by using a patented combination of plywood and steel. Companies typically benefit from a higher strength to pallet weight ratio. This ratio has a high probability of reducing the total packaging cost and creating a positive environmental impact.



### CORRUGATED BOX

LWP Can with corrugated sleeve and lid. The pallet is reinforced with an edgeboard to keep the corrugated sleeve in place. A corrugated outer protection is the most light weight solution available, ideal for air transportation.



### REGULAR TONGUE



Nefab's Regular Tongue is a strong solution that works well with all packaging solutions and has no loose parts.

### PLASTIC TONGUE



The Plastic Tongue can be used several times and is easy to assemble and remove.

### SECURITY SEAL



The right security seal makes sure that your goods have not been tampered with and that the packaging has not been opened.

### WIRE SECURITY SEAL



A wire security seal protects the ExPak solution from unauthorized intrusions.

### SPRING CLIP



Nefab's Spring Clip is the most appropriate option when a packaging needs to be opened several times.

### LOOSE TONGUE



A Loose Tongue can be used when the packaging needs to be opened several times. It is a fast and efficient locking solution.

## ADD ONE OF OUR LOCKING SOLUTIONS AND GUARANTEE SAFE DELIVERIES

→ Nefab offers many types of locking devices to complement a wide range of packaging solutions. Depending on how the box is used, a variety of locks are available and customization can easily be made. Adding a locking solution from Nefab to your packaging solution will guarantee that your packaging will be delivered safely and reach its end destination without any issues on the way. Displayed above are four different locking devices and two different security seals for the Nefab ExPak solution.



WOODEN CRATE  
VS  
NEFAB EXPAK



40%  
weight  
reduction

PREVIOUS TOTAL COST      NEFAB IMPROVED TOTAL COST

Packaging solution	Wooden crate	ExPak box
Weight	45 kg (99 Lbs)	28 kg (61.7 Lbs)
Total number of mobile devices/year	20 000 000 pcs	20 000 000 pcs
Number of mobile devices/box	300 pcs	300 pcs
Total number of boxes/year	67 000 pcs	67 000 pcs
Air freight cost/kg	4 USD/kg (8.8 USD/Lbs)	4 USD/kg (8.8 USD/Lbs)
Total air freight cost	12 060 000 USD	7 504 000 USD
Total savings		6 740 000 USD/year



The customer was shipping large amounts of mobile devices from Beijing to Frankfurt.



Nefab's carefully designed light-weight solution generated yearly savings of 6.7 million USD in total costs of logistics for the customer.



The main method of transportation was by air, reducing delivery time to customer substantially compared to sea transports.



The savings in air transportation resulted in yearly CO<sup>2</sup> reductions of more than 8.8 million kg/19.5 million Lbs. That is equivalent to 20 000 barrels of oil per year.



Multi-national companies can make major savings in air freight with Nefab's Lightweight Pallet.

ANDERS MÖRK, EXECUTIVE VICE PRESIDENT BUSINESS UNIT TELECOM

CUSTOMER BENEFITS:

# A SECURE AND LIGHT-WEIGHT SOLUTION

COMPANIES LIKE ERICSSON, ALCATEL-LUCENT, HP, IBM AND LG HAVE ALL BENEFITED AND ENJOYED GREAT SAVINGS AFTER IMPLEMENTING NEFAB LIGHTWEIGHT PALLET SOLUTIONS. MAJOR SAVINGS HAVE BEEN MADE IN AIR FREIGHT, POLLUTION REDUCTION AND OTHER ENVIRONMENTAL ISSUES.

→ The mobile devices industry is characterized by high value products that need secure and efficient packaging solutions. Companies within this industry set high demands on their suppliers and partners as an insufficient packaging solution increases both transportation costs and the risk of damaged goods. Nefab has an impressive track record for helping large multi-national companies in the mobile devices industry to reduce their total cost of supply chain. Over the years companies like Ericsson, Alcatel-Lucent, IBM, Sony Mobile, Nokia Mobile and LG Mobile have implemented smart packaging solutions from Nefab's global engineering team.

IMPROVEMENT POTENTIAL

One of the top players in the mobile devices industry had a variety of packaging delivered by a few manufacturers and distributed to many different locations around the world.

The packages were insufficient in protection, size and material and many also got lost or were damaged on their way to the distributor.

GREAT SAVINGS WITH NEFAB EXPAK

When Nefab was contacted a comprehensive evaluation was conducted to initiate the process. Shortly thereafter, Nefab was able to present a much more cost-efficient packaging solutions program based on Nefab ExPak boxes. The solution would not only improve logistics but also the company's environmental impact.

**In total, Nefab helped to save an estimated 6 740 000 USD/year plus an added reduction of CO<sup>2</sup> with 8 800 000 kg CO<sup>2</sup>/year (19.5 million Lbs/year). This is equivalent to 20 000 barrels of oil consumed.**

# IMPROVING BUSINESS. IN YOUR WORLD



Our **TOTAL COST APPROACH** ensures that packaging is optimized, reducing total cost in your supply chain.



With our **MULTI-MATERIAL ENGINEERING** capabilities, we can develop sustainable packaging solutions for any product.



In addition, our **GLOBAL SUPPLY & SERVICE** capabilities enable us to provide both local support and global coordination, wherever you are.

Your mission is our mission. We develop complete packaging solutions optimized to reduce total cost and environmental impact in your supply chain. With our global engineering and supply capabilities we serve you in every corner of the world.

[NEFAB.COM](https://www.nefab.com)

**NEFAB** YOUR  
PACKAGING  
SOLUTION.