

GreenCalc™

The LCA tool to cut costs and reduce your carbon footprint.

NEFAB
SAVING RESOURCES

↓ 20% Financial savings

↓ 30% Environmental savings

Average savings based on 4 000 GreenCalc processes

- **Understand** your packaging and logistics impact
- **Identify and prioritize** initiatives to lower your environmental impact and total cost
- **Compare** your existing solution with the new Nefab solution
- **Track and report** your progress (scope 3 emissions)



Quantify your savings with

GreenCalc™

The LCA tool to cut costs and reduce your carbon footprint.

↓ 20% Financial savings

↓ 30% Environmental savings

Average savings based on 4 000 GreenCalc processes

Can you count the
environmental and
financial impact of your
packaging and logistics?
We can.

THE LCA TOOL TO OPTIMIZE YOUR PACKAGING IMPACT

NEFAB
SAVING RESOURCES

- **Understand**
your packaging and logistics impact
- **Identify and prioritize**
areas and initiatives to lower your environmental impact and total cost
- **Compare**
your existing solution with the new Nefab solution
- **Track and report**
your progress (scope 3 emissions)



THE GREENCALC PROCESS

NEFAB
SAVING RESOURCES



GATHER DATA

SOLUTION DESIGN
PROPOSAL

GREENCALC REPORT

IMPLEMENTATION

Joint data
collection

New
engineered
design

SUPPLY CHAIN SAVINGS REPORT

Case description - PERMOBIL

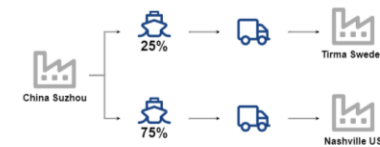
NeFab optimizes packaging to save total logistic cost and environmental impact.

In this flow 22 000 products are shipped on average 16 500 km by boat and 200 km by truck.

Input data for design:

- product weight: 16.4 kg
- Stacking requirement 1+1 stacking
- test standard: ISTA 3E

Based on the above we have following solution comparison:



Packaging solution

CURRENT
Current solution

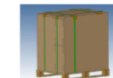


Currently the Chassis box and Battery box has individual packaging solution.

MATERIAL USAGE:

25.6 kg Corrugated
23.8 kg Plywood
1.3 kg Steel galvanized, ExPak
0.6 kg PE bag
Total of 51.3 kg

PROPOSED
New proposal



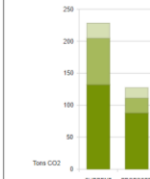
The new solution enable the integration of Chassis box and Battery box as one product, which can lower the packaging and logistic cost.

MATERIAL USAGE:

19.2 kg Corrugated
11.9 kg Plywood
0.7 kg Steel galvanized, ExPak
0.3 kg PE bag
Total of 32.1 kg

Annual savings

ENVIRONMENTAL



CO2 eq Savings
100 metric tons = 44%



13 844 kg
Lurell waste

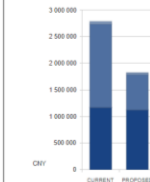


21
Passenger vehicles
driven for one year

Tons of CO2 equivalent is calculated using ISO14040 & 14044 guidelines, ecoinvent database and SimaPro 2016 MIDPOINT hierarchical methodology.

Presented by
SimaPro

FINANCIAL



Total Savings
964 005 CNY = 35%

SAVINGS IMPACT
Per Product = 43.82 CNY
Per Package = 525.63 CNY



Truck trailers saved

Handling = 15 872 CNY
Transport = 899 238 CNY
Packaging = 48 895 CNY

The Financial Savings graph illustrates total cost of logistics by implementing a new solution. Main components are: transport, handling, packaging. Others (warehousing, damages, waste management).

Environmental
and Financial
savings