



# The *MegaWay*<sup>TM</sup> Cargo Story



Fully Compatible with Trucking

Cuts Truck Traffic, Pollution & Noise

Low-cost, ultralight electrified *Superway* along highway ROW Initial manual control train service

**120-mph *MegaWay* removes most pavement–busting, heavy box trucks from highways, speeds commerce & cuts costly truck terminal operations**

**ROAM<sup>TM</sup> Transport Systems, Fort Worth, Texas**

SuperWay, MegaWay, CargoWay, MicroWay, CarLiner, CarFerry, SkyCoach, CargoLiner, WhisperLiner, MegaLiner, & PersonLiner are trademarks of ROAM Transport Systems  
U.S. PATS. 6,039,135, 6,401,625, 6,435,100, 6,615,740, 6,742,458, 6,834,595, 6,837,167, & 7,926,425 B2  
OTHER U.S. & INTERNATIONAL PATENTS PENDING

# Heavy Truck Highway Impacts

- **80,000-lbs plus weight – Over two tons per tire**
  - Concentrate load on small areas breaking pavement
  - Ruts in asphalt pavement in hot weather
  - Even small tire balance problems hammer pavement
  - Heavy stress shortens bridge beam & connector life
- **Truck collisions can destroy bridge columns**
- **Major factor in congestion & accidents**
  - Large stopping distances & slow acceleration
  - Easy to jackknife on slick pavement – Hours to reopen roads

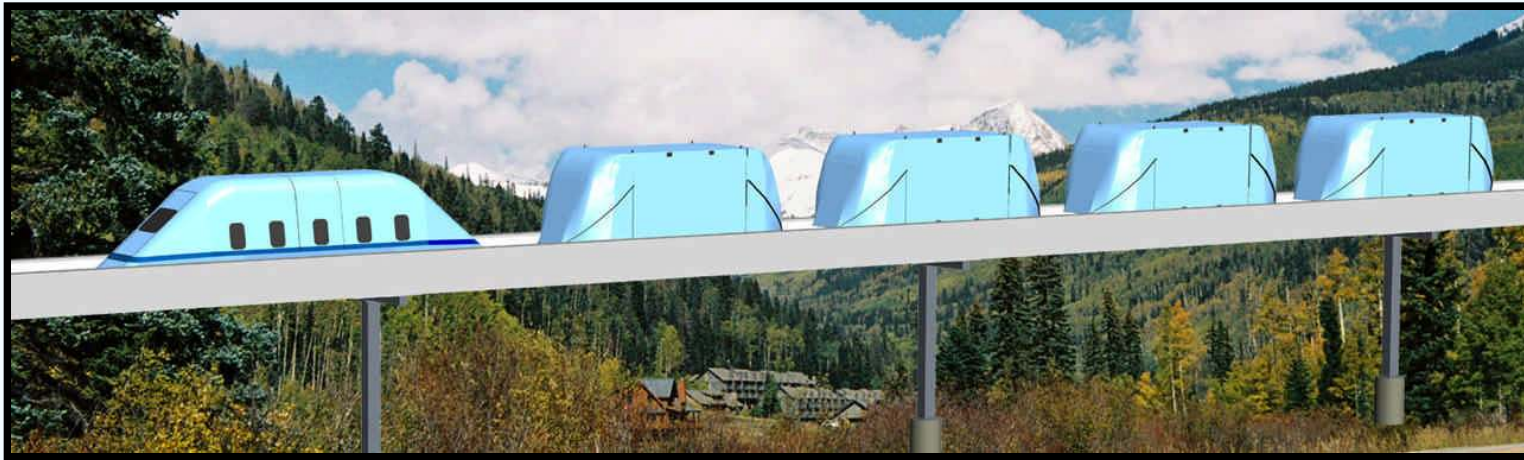
**Single truck – more damage than 1,000 cars**

## ***MegaWay* Moves All Box Truck Cargo**

- Cargo in boxes, barrels, crates, bags, etc.
- Most cargo moved on standard shipping pallets
  - Often fully wrapped with plastic wrapping
- **Most cargo pallets & crates – forklift compatible**
- **Typically loaded into truck trailers with forklifts**
- Plus ***MegaWay*** offers refrigerated containers

**Truck average speed – 55 to 60-mph**

# ***120-mph MegaWay*** Container Trains



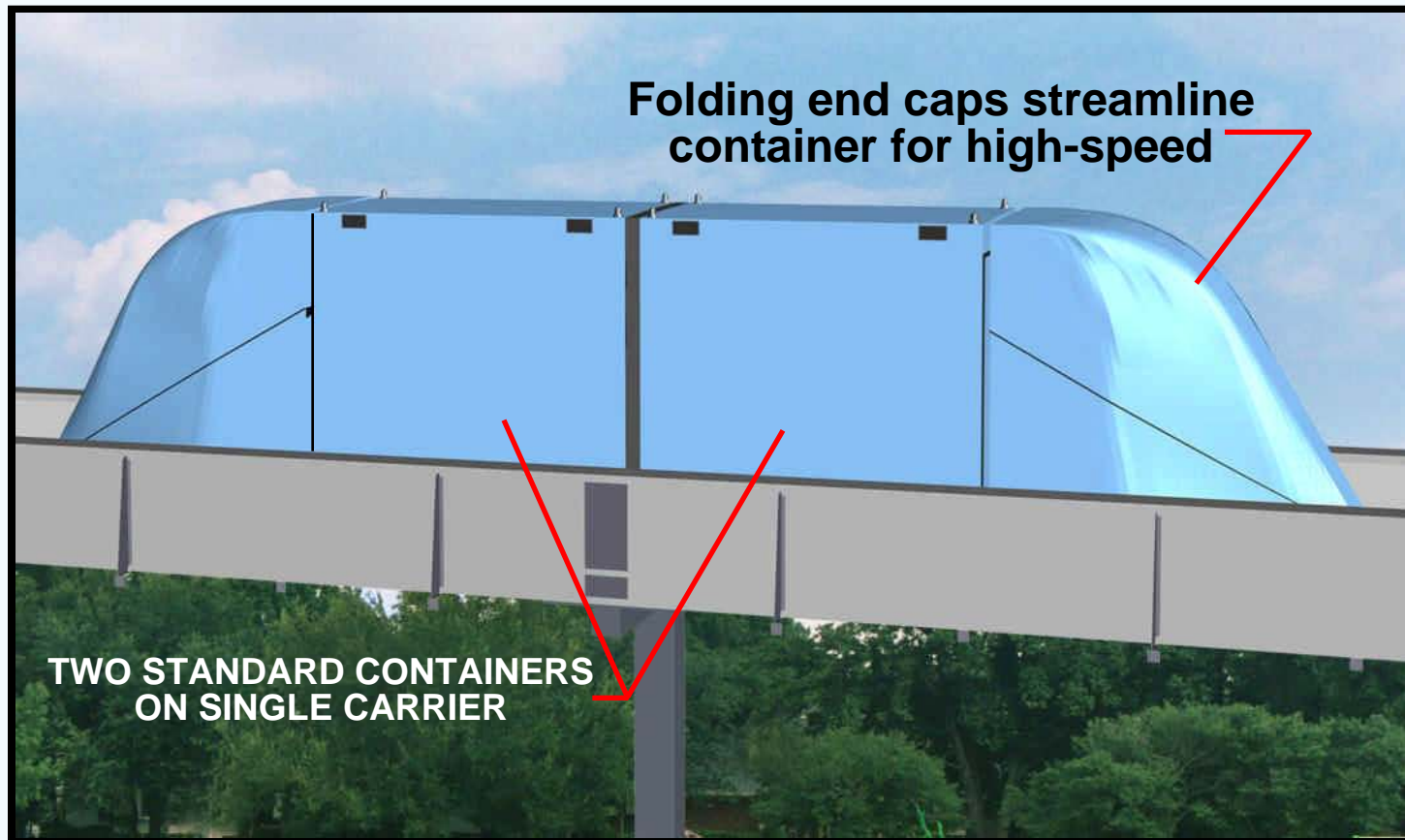
**Non-stop terminal to terminal service**

Transport **most** heavy box truck cargo

Initial manually-controlled trains

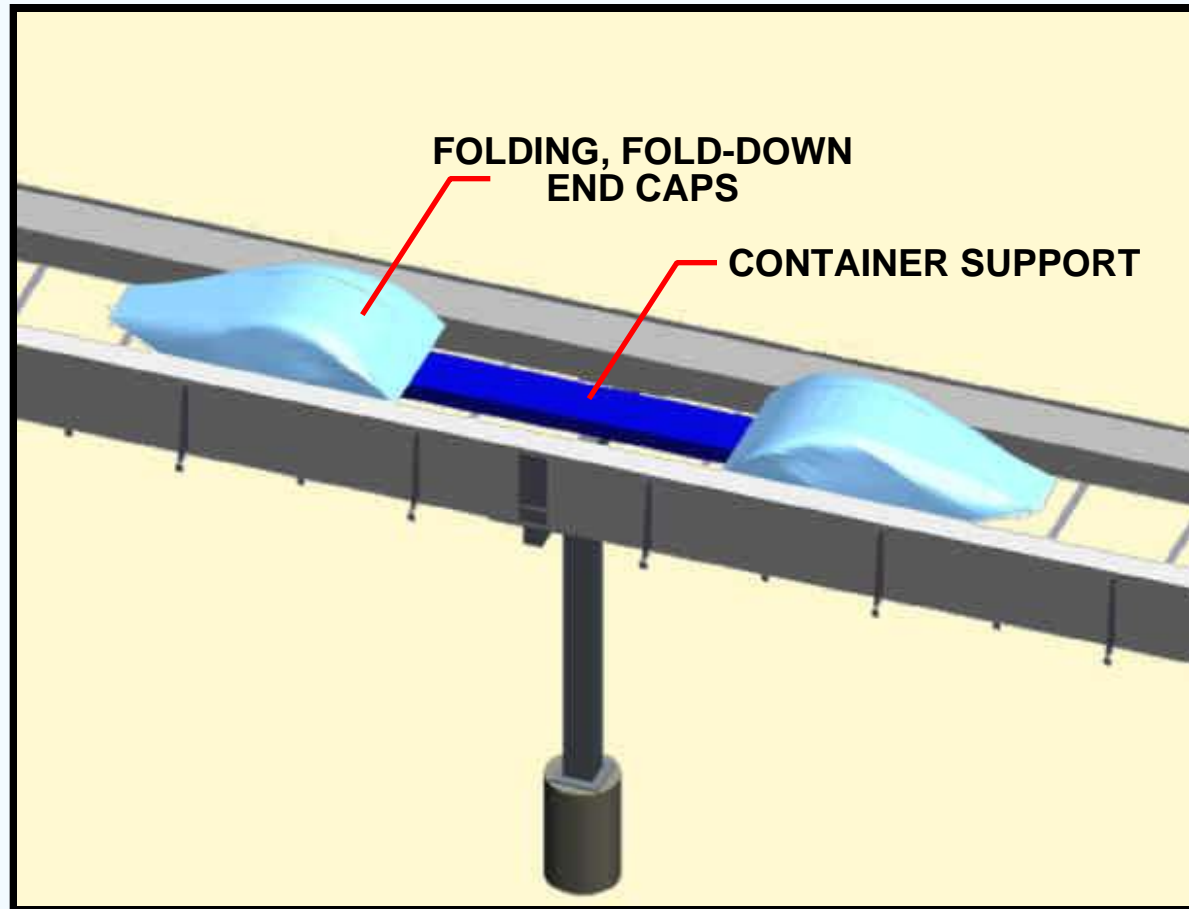
**Cuts Truck Traffic, Pavement Damage, Pollution & Noise**

## Later Automated *MegaWay* Carriers



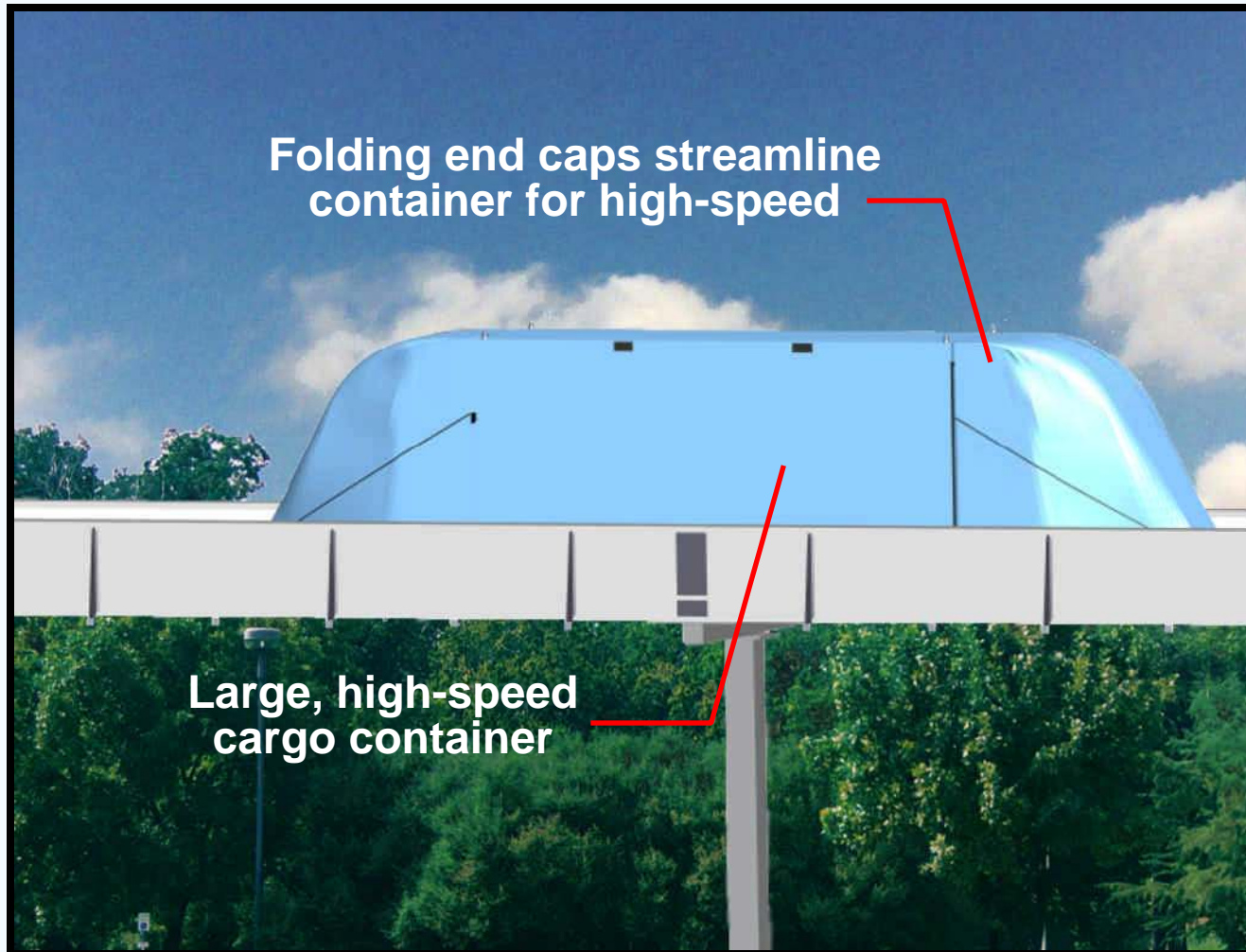
**Each standard container = 1-1/2-tons for 3 tons total**  
**( Non-stop terminal to terminal transport )**

# Empty *MegaWay* Carrier is Low Drag



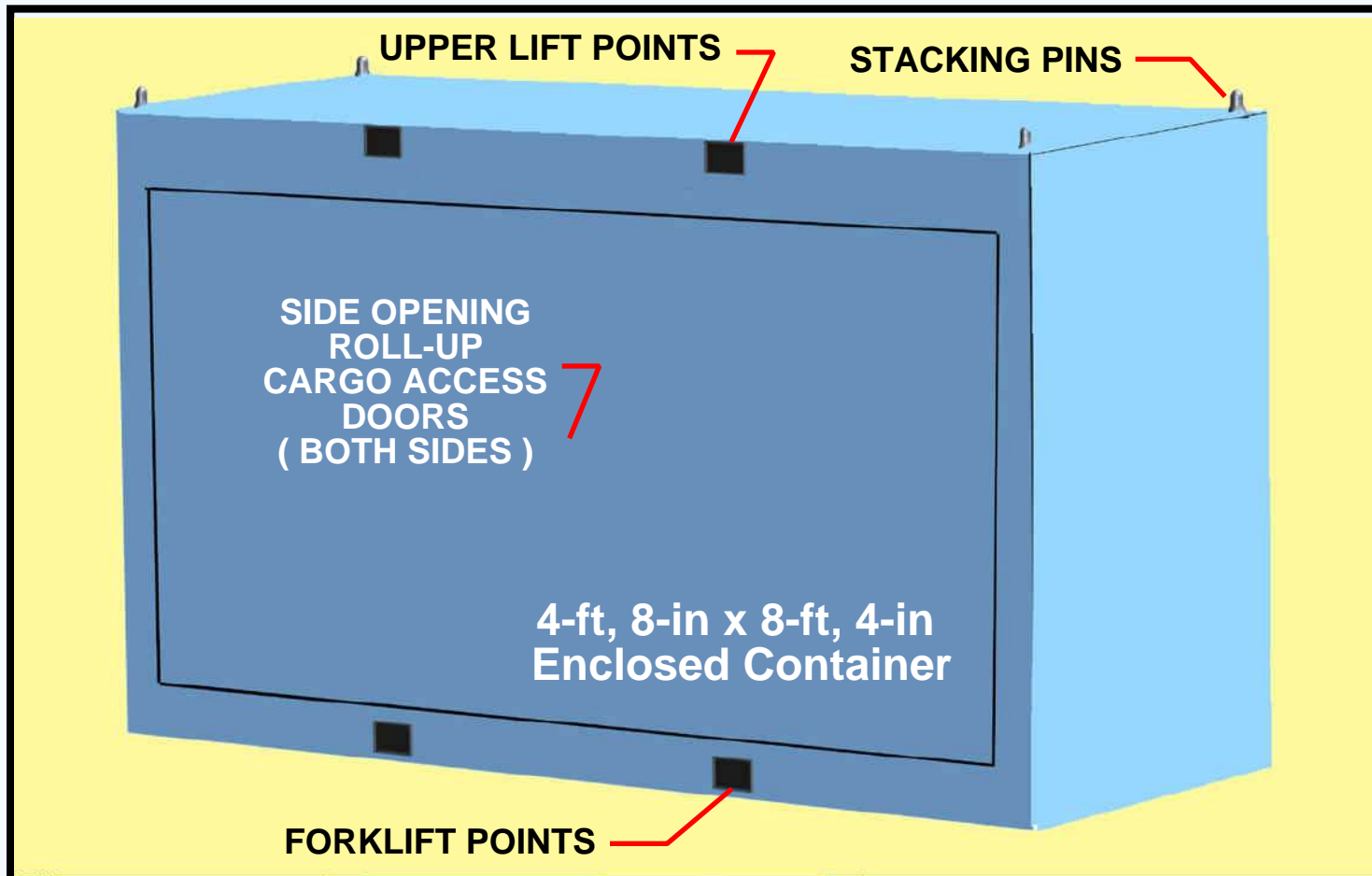
**End Caps Fold for Minimum Drag**  
**Major reduction in energy use**

# *MegaWay* Carrier with Large Container



Large, 3-ton High-speed Cargo Container on *SuperWay*  
( Longer container for longer cargo )

# Standard *MegaWay* Cargo Container



**One & one-half-tons per container**  
**Refrigerated units have power contacts on bottom**



# Side Loading Container

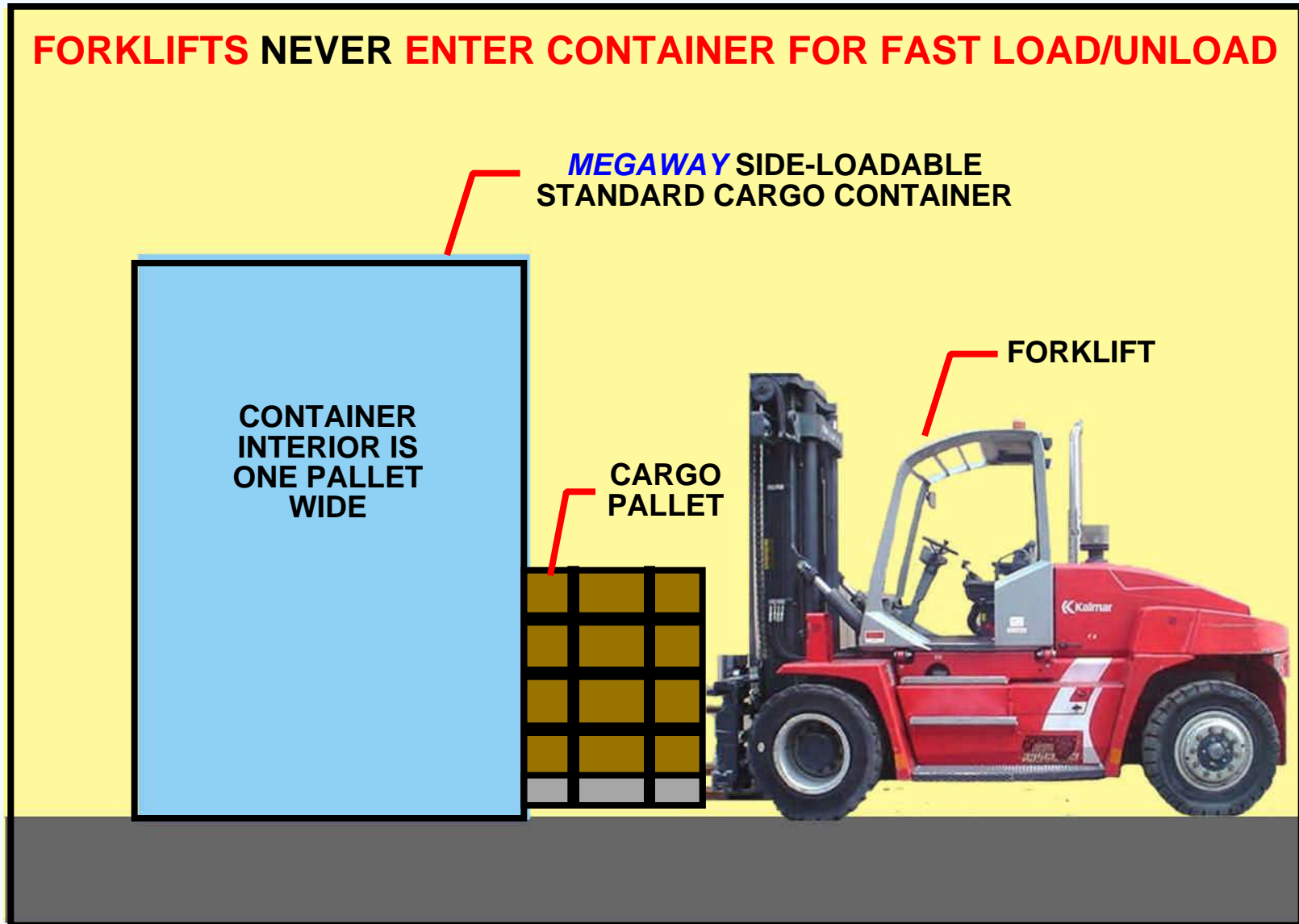
**FORKLIFTS NEVER ENTER CONTAINER FOR FAST LOAD/UNLOAD**

**MEGAWAY** SIDE-LOADABLE  
STANDARD CARGO CONTAINER

CONTAINER  
INTERIOR IS  
ONE PALLET  
WIDE

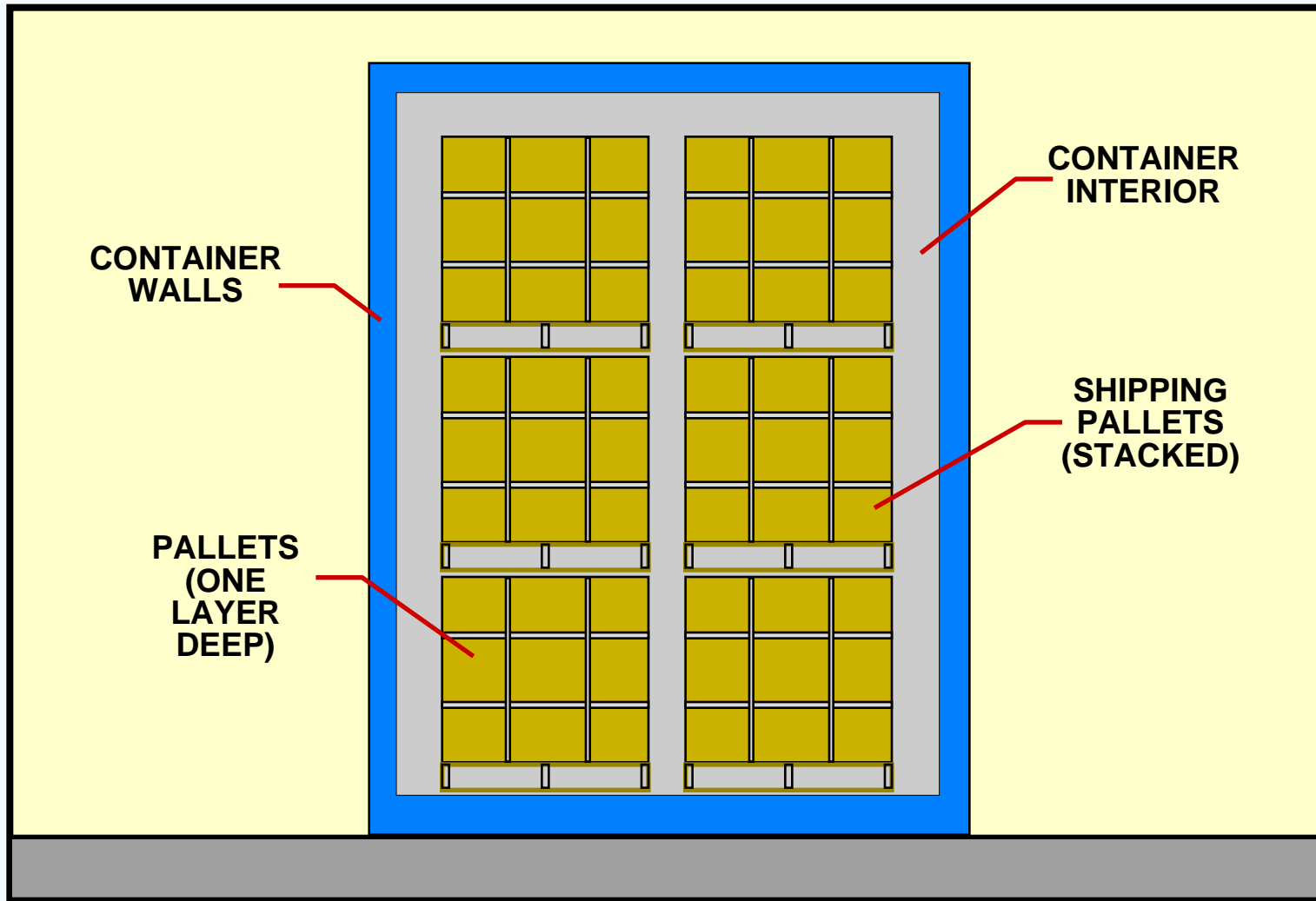
CARGO  
PALLET

FORKLIFT



# Standard *MegaWay* Cargo Container

## Side view with doors open



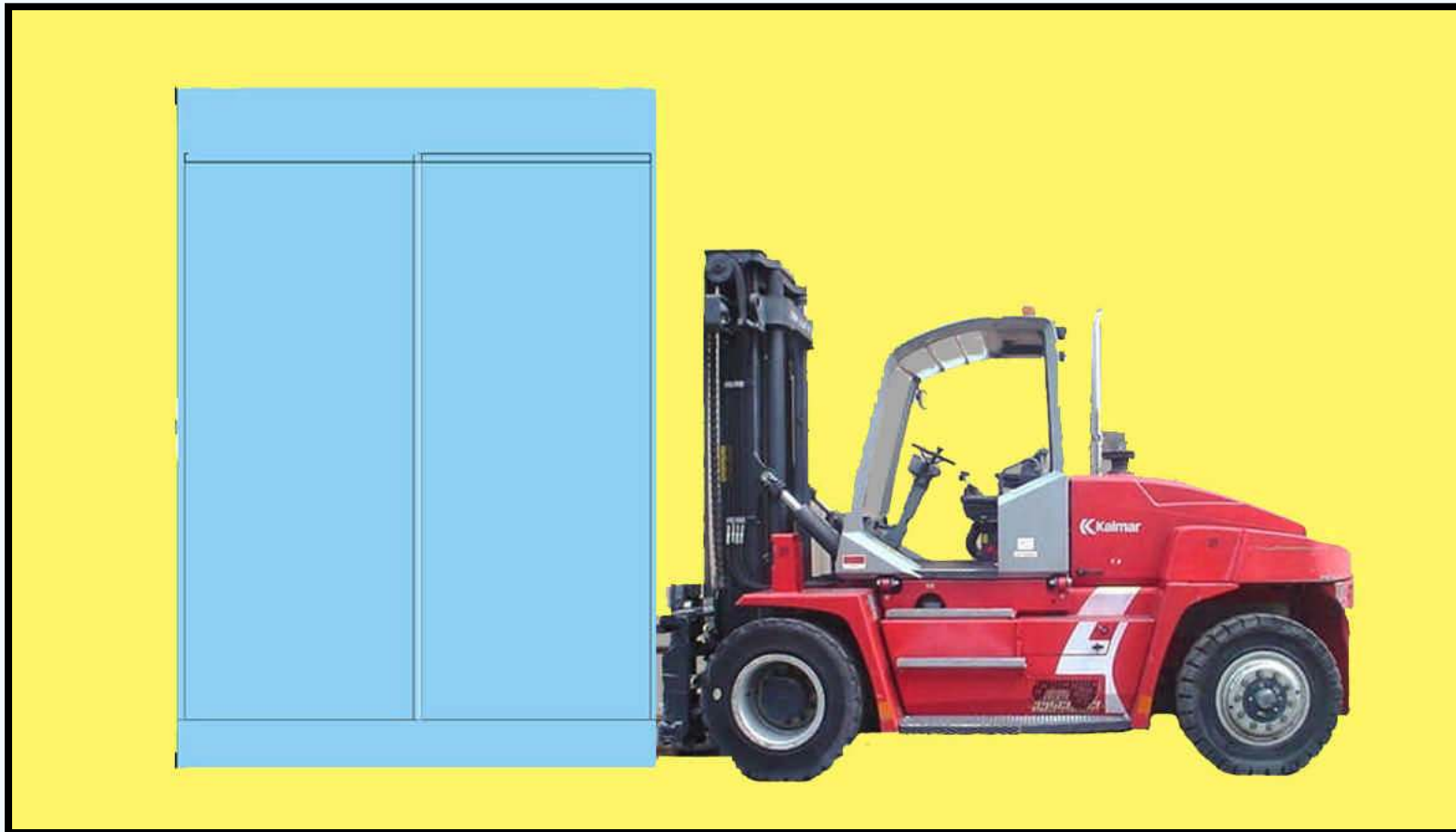
# Reduces Costly Terminal Cargo Transfers

- Much of cargo transferred inside containers
- Reduces terminal handling of pallets, etc.
  - Cargo remains in small containers for terminal transfers
- **MegaWay cargo containers – forklift compatible**
- **Many containers move directly to destination**

**Lower terminal operating costs**

# ***MegaWay* Containers Handled by Forklift**

**Carrier loading with overhead lifts**

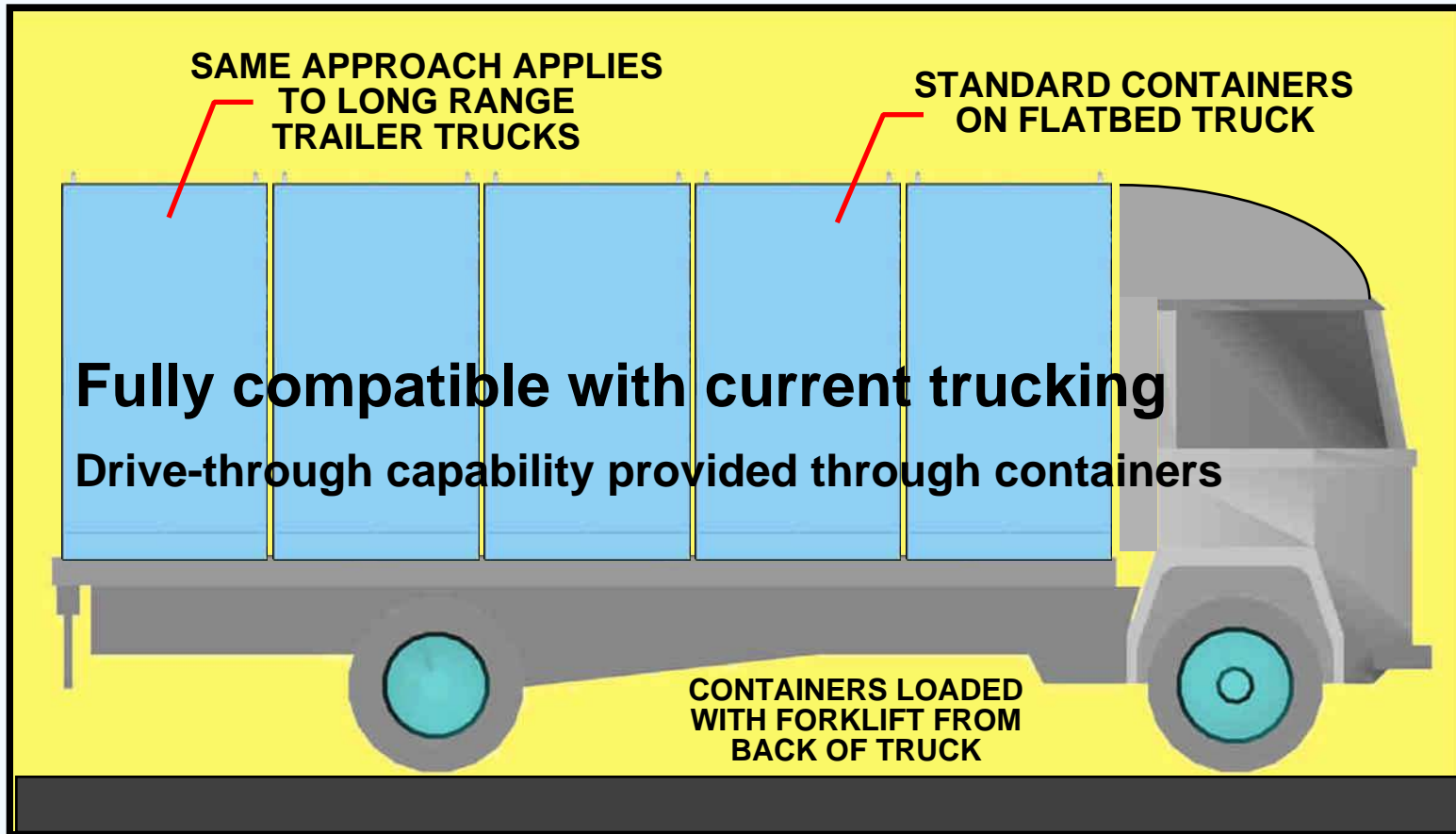


**Loaded or Empty Containers Easy to Move on Dock**

# Full Compatibly with Trucking Operations

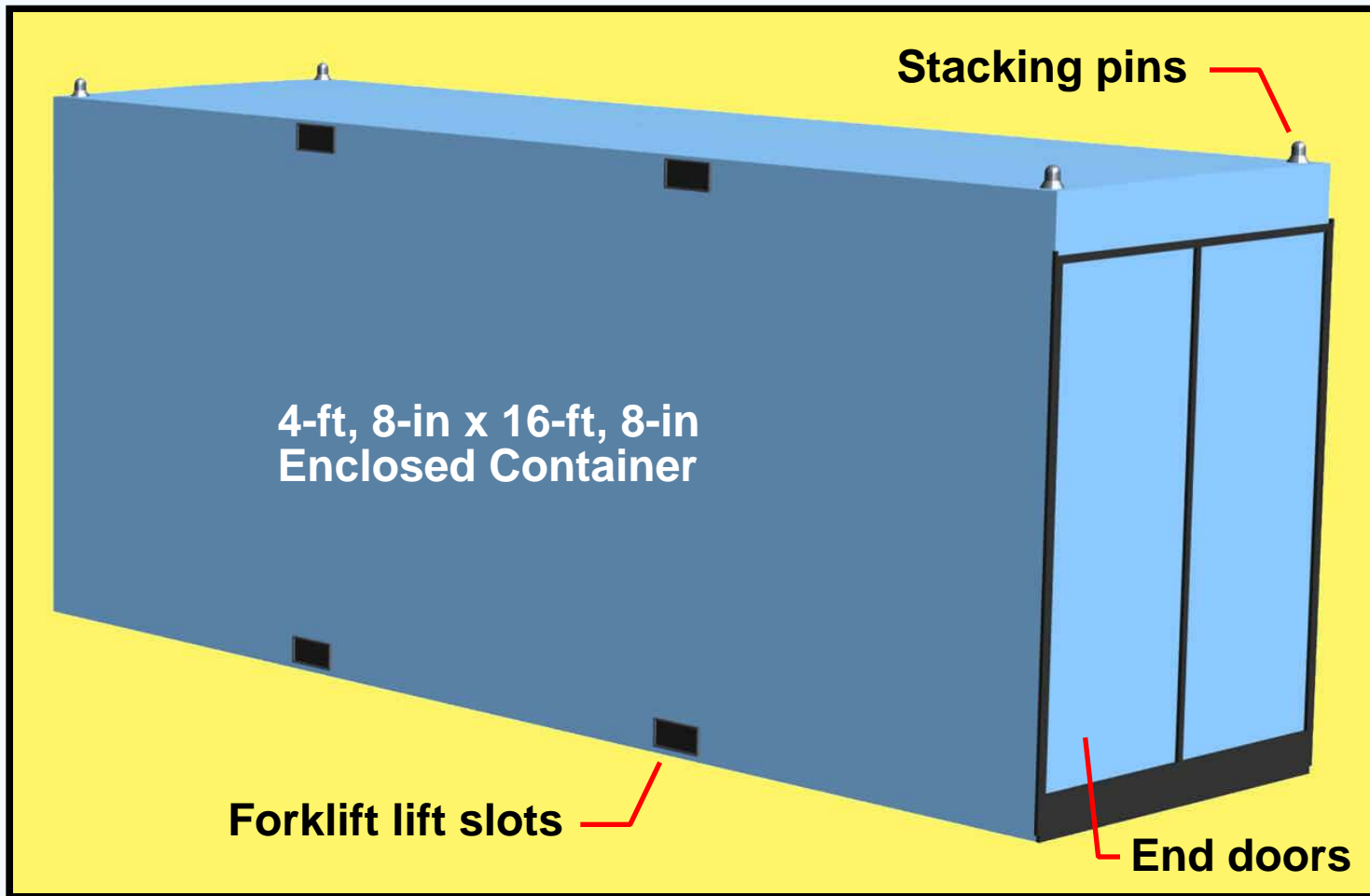
- All cargo moved inside closed containers
- Easy transfer between *MegaWay* and trucks
  - Easy shift of containers between modes at terminals
- *MegaWay* cargo containers – forklift compatible
- Containers compatible with short & long flatbeds

# Standard *MegaWay* Containers on Truck



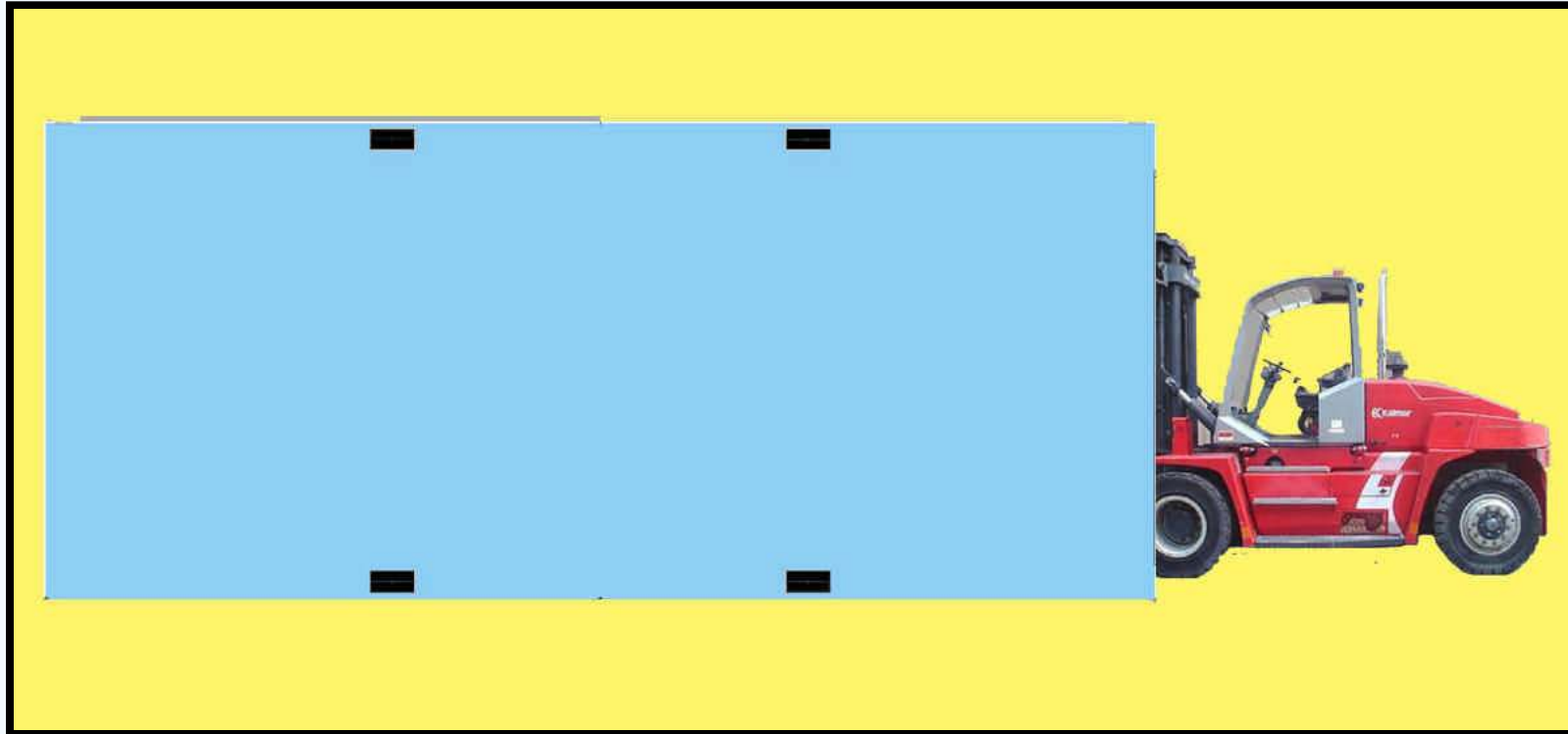
**Containers moved on trucks for road transport**  
Standard containers – 1-1/2-ton capacity each

# Large-size *MegaWay* Cargo Container



**Three-Ton Capacity per Container**

# Easy Load/Unload Large-size Containers

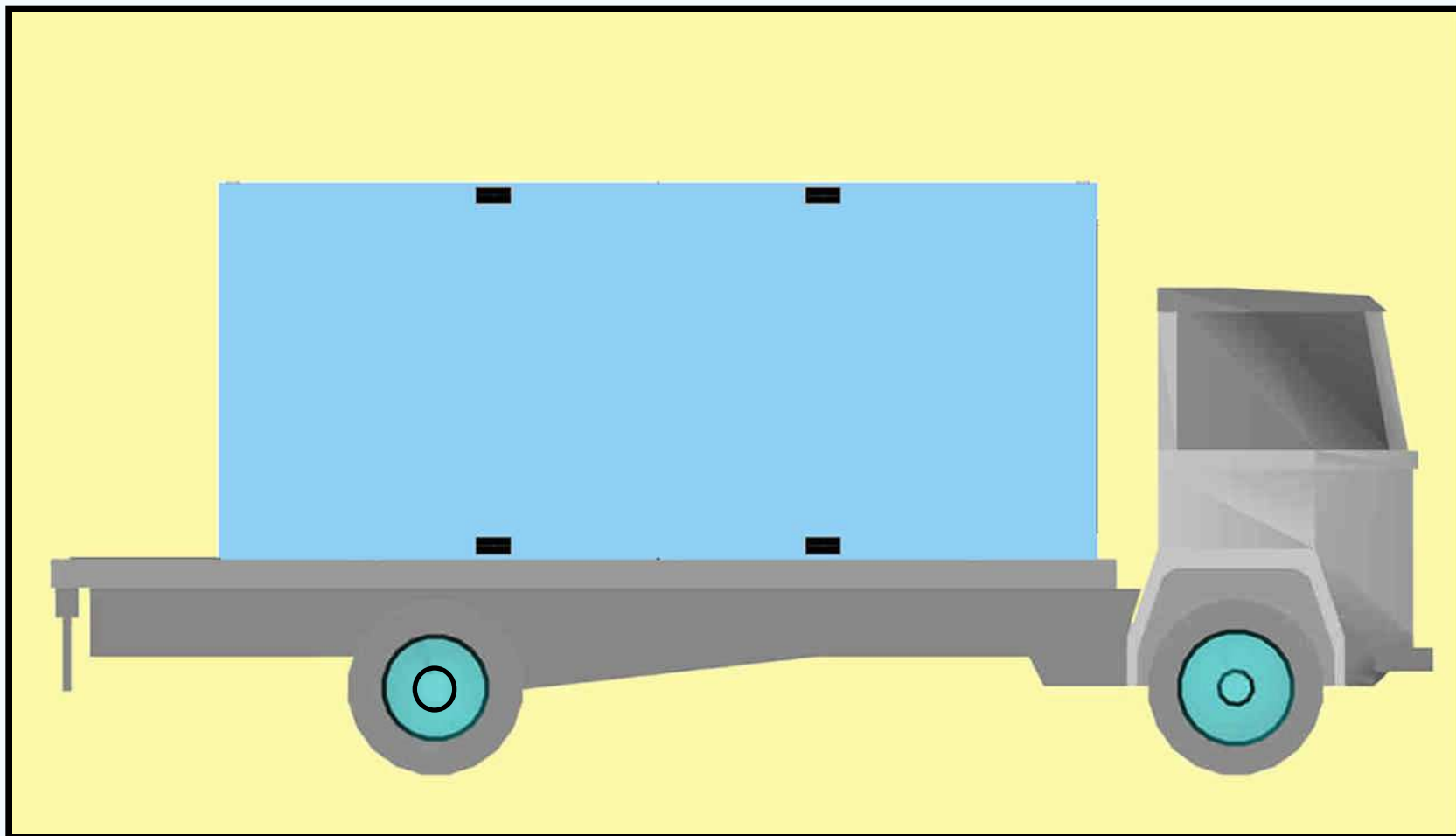


**Cargo Pallet Load/Unload by Standard Forklifts**

**Forklifts drive into & out of containers**



# Large-size Container on Truck



**Containers moved on trucks for local transport**  
**Loaded/unloaded by standard forklifts**

## ***Cargo* Carriers Designed for Low Cost**

### **Lightweight Design & Ease of Maintenance**

- **Systems in lower chassis unit for access ease**
- **All metal parts cut by robot plasma & laser cutters**
- **Most raw material is flat stainless-steel**
- **Entire structure of welded stainless sheet**
- **Empty carrier weight – 1,200 pounds**
- **Low complexity control systems**

**Carriers are light weight & low cost**

# **MegaWay** High-speed **Cargo** Capacity

## **Greater Capacity than a Six Lane Freeway**

- Cargo moves at **120-mph** speed – **Not 55-mph!**
- No traffic jams or delays – 24 hours per day
- Max cargo capacity calculation: (per direction)
  - Carriers spaced at 50-ft intervals = 105 vehicles/mi
  - 105 containers/mi x 120-mph x 3-tons = 37,800 tons/hr
  - 37,800 tons/hr x 24-hrs = **907,000 tons/day** = **22,000 trucks**
- Plenty of space for high-speed passenger service

**Plus the freeways remain available!**

# *SuperWay* Shared by Cargo & Passengers



Passengers use luxurious *SkyCoaches* for long trips – Cars ride behind

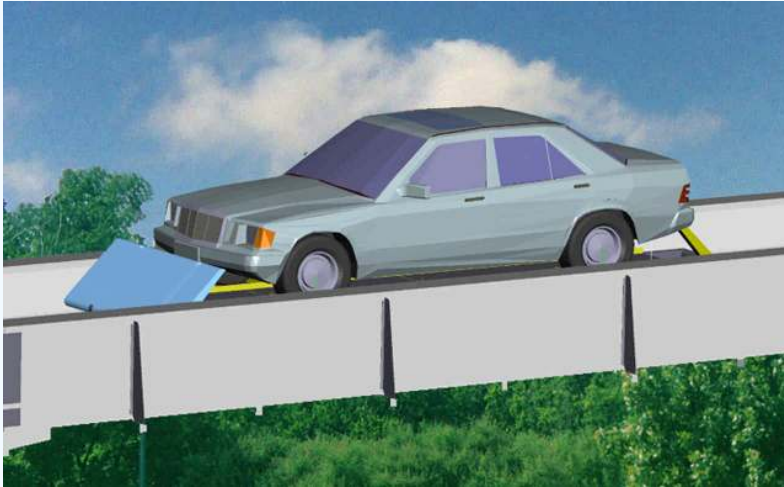
**Cuts Truck Traffic, Pollution & Noise**



Cargo moves in closed containers with low-drag fairings

# Future **High-speed**, Inter-city Services

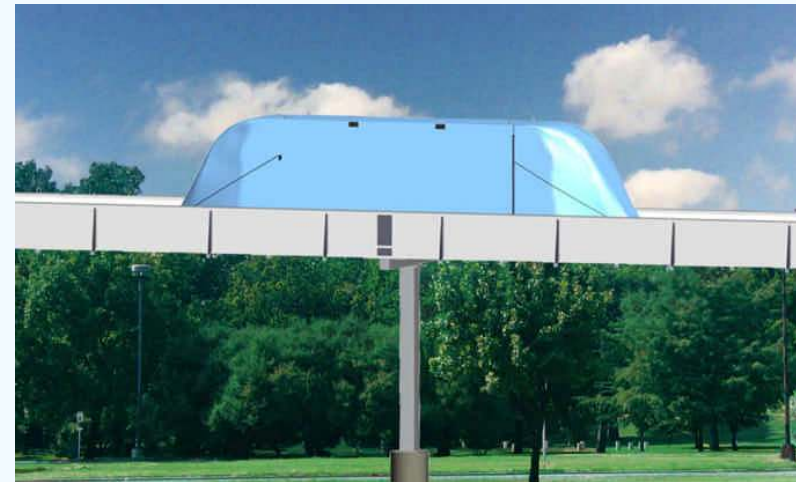
U.S. Pat. 6,435,100



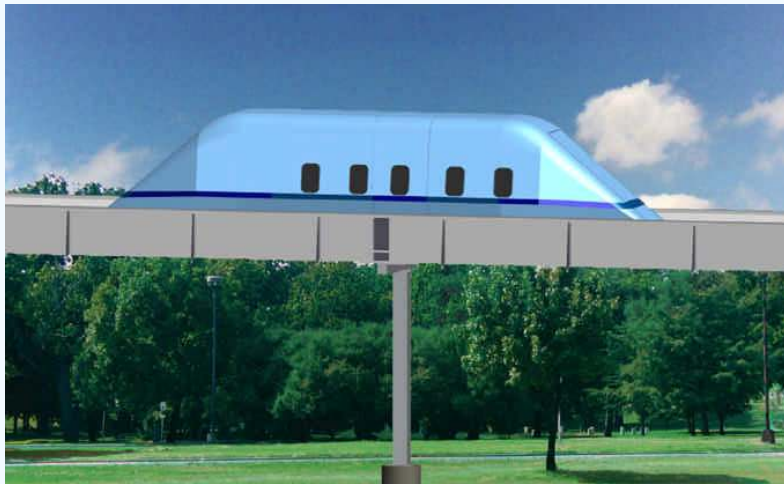
Carferries carry standard cars with driver and passengers inside

U.S. Patent 6,615,740

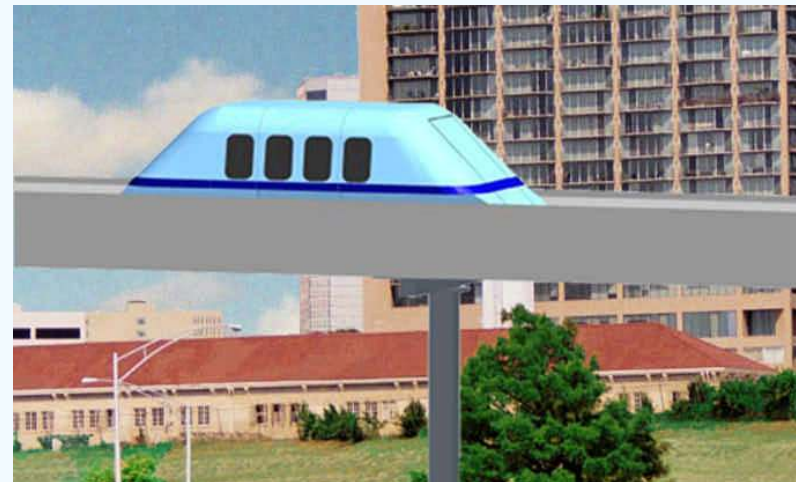
MegaRail photos & graphics



Automated cargo car on **SuperWay** moves modules at speeds up to 120-mph



Automated, eight to nine-passenger **MegaLiner™** non-stop, 120-mph, high-frequency, 24-hr group service



Four to six-passenger **PersonLiner™** non-stop, 120-mph, on-call, 24-hr personal service

## **Ultimate Cargo & Passenger Service**

- **Cargo and passengers – Non-stop at 120-mph!**
- **More capacity than costly, new 6-lane tollways**
- **Ultra smooth cargo and passenger ride**
- **Reduced, all-electric power – Less air pollution!**
- **No need for costly high-speed rail + shorter trips**
- **Noise-free & minimum environment impact!**

**Average trip speed – 120-mph**



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