

# URBAN DELIVERY SYSTEM BOXES

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Standardized delivery boxes on e-carrier vehicles  
Included using a localized delivery system boxes the  
focus of the environmental impact.

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## Tags:

away from oil

environmentally compliant  
and flexible

no noise pollution

cost cutting

combinable moduls

new ways

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give a new

## Topic Points:

trendsetting

electric drive plus 5' module

suitable vehicles

better e-opreational range

recurring mass handicap

Delivery system boxes

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urban cargoconcept

## Applied Synergies:

E-Microtransporter and urban delivery box.

- **Micro-vans with swap body**  
Use in urban delivery traffic without transmixers immersion technique.
- **Urban delivery box:**  
Flexible-premise Endless rows parallel or alongside the roadway.
- **Collection / Delivery:**  
without personal customer attendance.
- **5 ft module as inland container:**  
Europe-wide use on  
Truck, semi trailer and railroad car.  
Pre-commissioned, standardized small containers with possibility of real-time location.

# 100% Electrically Powered Vehicle

## Sampling of e-transporter



Length:	4m to	4,3m
Speed:	to	40km
Reach:	to	100km
Payload:	to	950kg
Trailer:	to	1450kg

## Varianten

Solo-Transporter 1 Box

Solo-Transporter 1 Box  
plus trailer 1 Box

Short variant,  
semitrailer 2 Boxes

There are various  
E-Transporter Brands  
Classic City Transport  
with combustion engine

## ACCU Chance Systems:

are already.



© Tirler/Österreich

- **Independent charging stations**
- Cooperation with battery partner
- complete battery replacement in a few minutes
- no long battery charge times even without personal customer attendance
- **Improving the operational range**
- also with lead batteries
- on route-organisatorisch feasible
- no costly technology

## Cost Comparison:

E-Micro-  
Transporter  
to classical  
transporter.

- **Car-Tax**  
vary from country to country.
- **Energy savings:**  
Combustion engine is about 10, - to 15, - Euro  
subject to 100 / km fuel price fluctuations strong  
electric drive power costs from 3,- Euro,  
plus battery replacement.
- **Current service costs:**  
less wearing parts  
maintenance-friendly technology.
- **Purchase price:**  
priced about classic vans  
from 0.8 to 1.5 t payload comparable.

## Vehicle Owner:

stays unchanged.

Hauliers,  
Parcel services,  
Haulage.

Smooth transition  
from classical  
internal combustion  
engine on  
Electric vans  
5 'Box Module  
interchangeable body.

E-range extender  
without charging standing  
time loss.

## Box Operator:

commune  
leased  
Delivery box itself,  
or Instructs  
a special  
box operator.

Box design  
appealing  
and regionally.

Box-optic fits  
the local picture.

## Box Users:

local shop  
owners & Catering.

Several trucking  
companies deliver  
a box user normally.

Optische/technischIf  
necessary,  
a more  
Parties Box usage  
is feasible.

Optical / technical  
details adjustment,  
at the expense  
of the user.

## Delivery/ Pic up:

in  
off-peak times  
and where is  
also at night.

- **Users**, authorized hauliers and commercial suppliers plus their local customers
- **Transportation customer**, sac barrow, or e-pallet truck.
- **Seafy standard**, according to desire.  
Padlock to e-card / data acquisition, etc.
- **Box subdivisio**, conditionally possible.
- **Box subdivision**, conditionally possible.
- **Pleasure post**, no.



© STILL/D



## Interface Rail/Road:

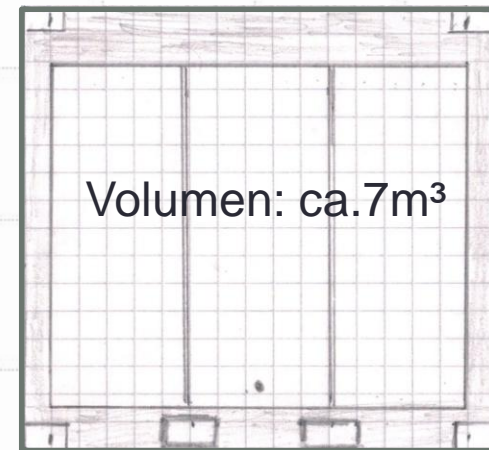
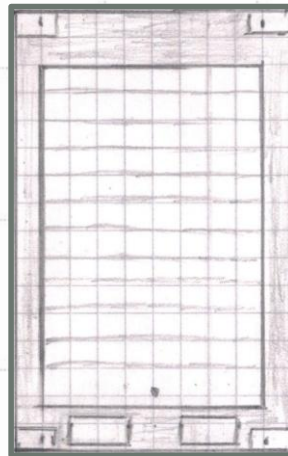
20ft Flat  
with twist locks  
and  
foldaway legs.

- 5ft box railwaytransport of 20ft Flat collars including ILU Code.
- Suitable for 4 pcs. 5ft boxes.
- 
- Flat - truck loading even without external charging technology.
- Use of the vehicles own lift / lower equipment or air spring technology.
- Single box handling by forklift.

## Stackable 5ft Box Moduls:

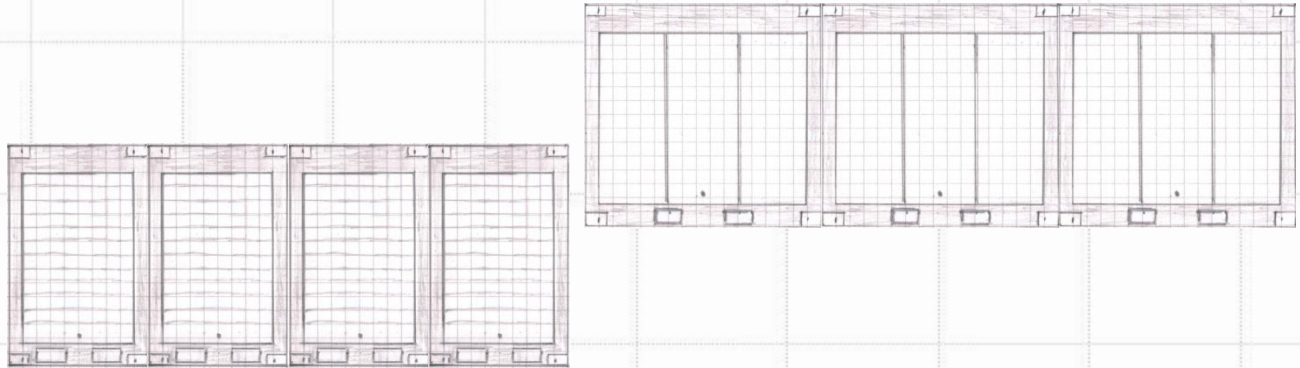
- Front/Rear doors
- Loading / unloading sideways
- Fork pockets
- appealing design

and his future  
of urban transport.



**Use in urban area / Highway and railway**

Urban  
Delivery  
System  
Boxes:



SEVERAL LOCATION-BASED 5ft MODULES GIVE

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TWO WAYS SYSTEM - NO BOXES EXCHANGE

Depot/Truck-Containerer



Urban delivery  
system boxes

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in the second life cycle

A DELIVERY BOX UNIT

## What is

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most beautiful street cafes



CO<sup>2</sup> neutral bicycle rental



Vienna, 6:00 a.m.

## the Use:

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excellent and especially



environmentally friendly Vienna



Vienna, 9:00 a.m.

## Where with Boxes:

Where  
there is a will,  
a place.

### **Localized delivery boxes spaces in public places**

- for economic and social benefits
- incl. court hire
- plus boxes rent
- plus operating income

### **as a comparative example the economic / social benefits**

- of street cafes
- bike rental stations
- used clothing collection containers

### **Boxing prototypical**

- Delivery boxes for newspapers
- Post boxes in apartment buildings



## Use of Parking Bays and Sidewalks in Vienna :



over taste



and

sense is debatable



on self-interest



and

meaningful as!

KOMBIVERKEHR  
IDEEN

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Impressum:  
K.W. Stehlik, 1050 Vienna  
+43 - 676 - 6081 606