

#### **New systems for Italy**

- Axel Huysmans, Sales engineering
- Salzburg, April 20th 2006







#### Van Hool Bus and Trailer Manufacturer N.V.

Founded 1947 in Lier-Koningshooikt Belgium

- Workforce: 4.300
- Annual Production:
  - 1.600 Buses & Coaches
  - 4.000 Commercial Vehicles (Trailers + Tank containers)
- Export: 80%
- Turnover: 485 Million Euro







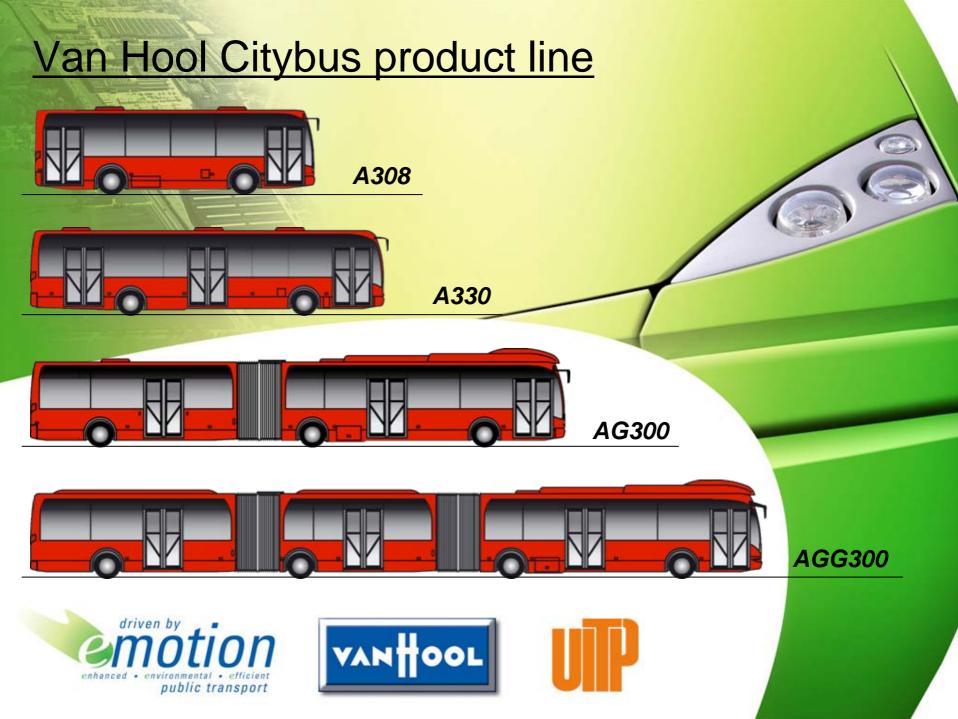


Van Hool: Factory grounds (ca. 430.000m²)









### Van Hool: Custom made Products

A Solid Product Range + Van Hool's Flexibility

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**Custom made Products** 



- Gas (LPG, CNG)
- Hybride
- Fuel Cell
- Trolley









### **Trolley Lecce**

- City of lecce
  - South of Italy
  - 100.000 Inhabitants
  - No existing trolleybus infrastructure

#### The project

Infrastructure : Sirti & Imet

Vehicles : Van Hool & Vossloh Kiepe

■ Vehicle type : Solo

■ Fleet : 12

■ First vehicle : 2006/2007









#### Trolley Lecce: The Vehicles





- Extended Windows
- Flush Sides
- Removable panelling
- New traffic lights









#### Trolley Lecce: The Vehicles



Streamlined interior







- Glassed Partitions
- Smooth Airducts
- Large headroom
- Spacious feeling
- Pleasant & airy Atmosphere





#### Van Hool A330T Lecce



- \$64BibuSolniverstepst
- Myltifunction display
- CAN bus controlled:
  80 kW Euro 4
- 80 KVV Euro 4
  Interface
- Airconostics
- \* Automatic ramp









#### **Trolley Genova**

- City of Genova
  - North of Italy (Riviera)
  - 650.000 Inhabitants
  - Trolleybuses in service since 1938

#### The project

Vehicles : Van Hool & Vossloh Kiepe

Vehicle type : Articulated Bi-mode

■ Fleet : 17

■ First vehicle : 2006

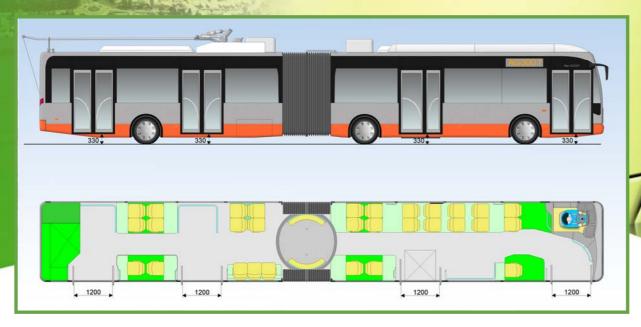








#### Van Hool AG300T Genua



- IGBT Converters
- 240 kW
- 170 kW Euro 4
- Airco
- 4 Doors
- Super Single
- Fixed 3<sup>rd</sup> Axle

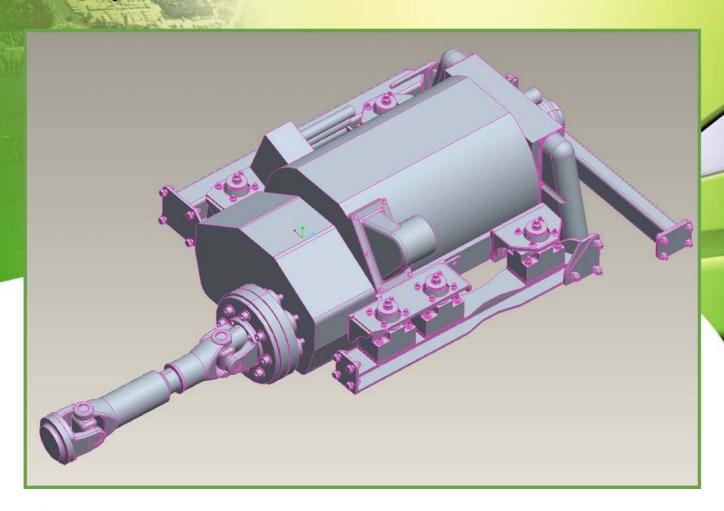








# **Trolley Genua: The Motor**











# Trolley Genua: The APU





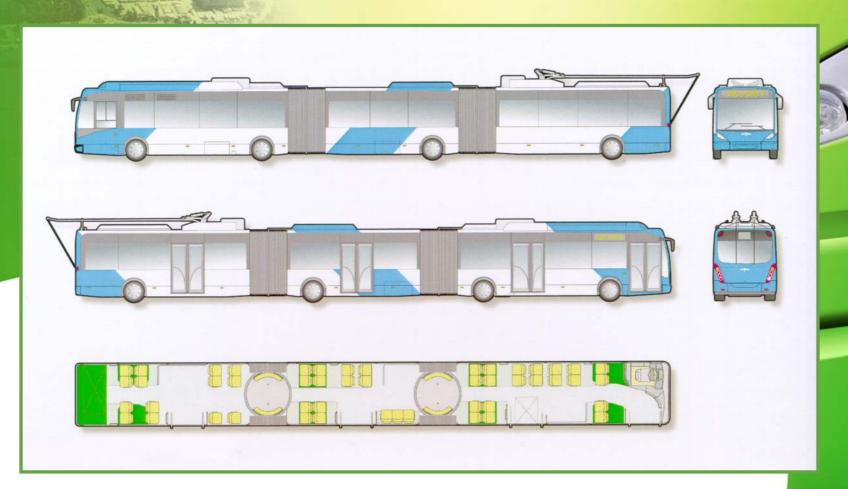








# Van Hool AGG300T











# Van Hool AGG300T











#### Van Hool Trolley: Summary

- Trolley concepts
  - Sound concepts for both solo & articulated trolleys
  - Vehicles based on standard product rage
  - Tested and reliable technology
  - Simple design
  - → Commercially Interesting
- Van Hool's Strengths
  - Experience
  - Flexibility
  - Good cooperation with strong partners









