

#### Only a dream?

The Superbus will pick you up near your home precisely when you need it. After collecting a few other passengers, it will drive to the Superhighway where it will accelerate to 250 km per hour. Just a pipe dream? If everything goes to plan, the first Superbus will be up and running at the 2008 Olympic Games, with more to follow.

This new mode of transport builds on existing innovations and combines the velocity of a high speed train with the flexibility of a car.

#### Better public transport

We all want carefree, comfortable travel, customised to our needs. You will be able to order a Superbus wherever and

whenever you want, for example by SMS. The Superbus will take you where you need to go, without stopping along the way. On your journey, you can get on with your work or simply sit back and enjoy the speed and luxury. This service will be yours for a fare comparable with present day public transport prices. All you have to do is get off at your destination.

#### Superbus: a global investment in the Netherlands

The Superbus is an investment in a Dutch product, which the Netherlands will subsequently be able to market worldwide. TU Delft invites politicians, businesses and its own students to take up this challenge and become part of the Superbus programme.



[www.superbus.tudelft.nl](http://www.superbus.tudelft.nl)

#### SAFETY

The Superbus is safe. It is fitted with radar equipment that allows it to identify obstacles over 300 metres ahead and an electronic guidance system that responds at lightning speed. The Superbus steers around obstacles and has formidable brake power. Its electronic systems are always open to human intervention. This combination of man and machine is a tried and tested safety concept, adopted from aviation and space travel. The surface of the Superhighway absorbs energy in the summer and releases it in the winter, so the road is never slippery and always safe.

#### FLEXIBILITY

Travellers demand flexibility, hence the popularity of the car. Flexibility is crucial to the success of future public transport and the Superbus is therefore being developed around this very theme: the customer uses personal ICT applications to order the vehicle at the desired time and place. The cabin can be adapted to suit customer requirements, depending on whether they are travelling alone or with a small group. The Superbus offers customisation within the public transport system. And because the Superbus also runs on standard roads, it can fit seamlessly into the existing infrastructure.

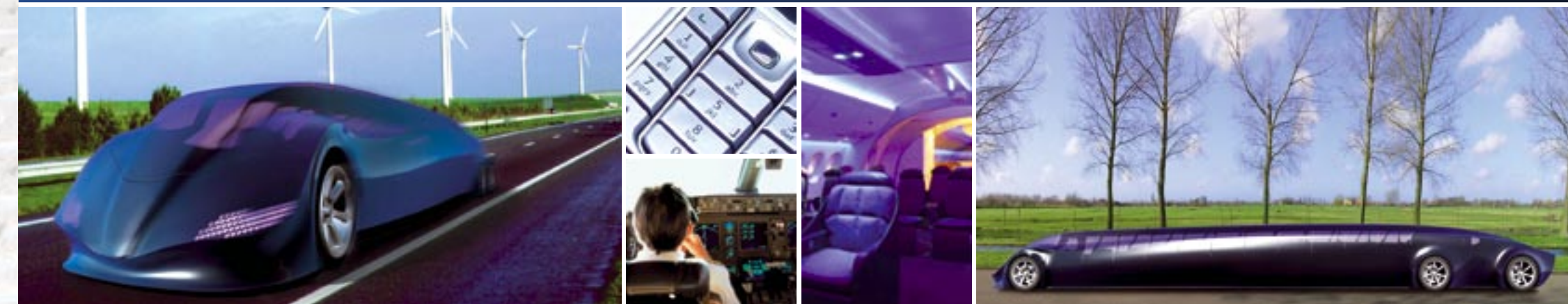
#### SUSTAINABILITY

Innovations have to be sustainable. Our future depends on how we treat our planet and the environment. The Superbus unites innovations geared towards sustainability: it is electrically powered, uses rechargeable batteries, features light-weight, highly streamlined constructions and makes use of sustainable, light-weight infrastructure. Such innovations mean the Superbus excels in the field of sustainability. For example, it uses only as much energy at 250 km per hour as a normal bus does at 100.

#### COMFORT AND ...

... a sensational experience. The Superbus makes the sensation of travelling in a Concorde or Ferrari accessible to all. Not only is Superbus travel affordable, but it is also a truly sensational experience, thanks to its proactive suspension, its speed, its ergonomic interior design and the personal multimedia equipment fitted in its cabins. The Superbus was designed by Dr Antonia Terzi, a leading scientist and the only woman to work as chief aerodynamicist for a Formula 1 team. Qualified engineer Joris Melkert (project manager) and Professor Wubbo Ockels (general manager) join her in leading the Superbus development programme.

# Countdown to the future



**2015:** First Superbus journey on Superhighway

**2008:** Superbus demonstration run at Beijing Olympics

**2008:** TU Delft presents first Superbus

**2007:** Politicians, businesses and TU Delft devise best public transport solution

**2007:** Dutch business community invests in Superbus

**2006 (begin):** Bus company Connexxion and TU Delft Executive Board sponsor Superbus programme

**2005:** The Ministries of Economic Affairs and Transport invest start-up capital

#### Innovation group

The Superbus is supported by the Superbus innovation group, established by individuals from the business community with the aim of building political confidence in the Superbus development programme. The group consists of Rein Willems, President Director of Shell Nederland; Peter Bakker,

CEO of TNT; Ad Louter, President of Stork Fokker; Hans Huis in 't Veld, Chairman of TNO's Executive Board and Hans van Luijk, Chairman of TU Delft's Executive Board.

#### Superbus development programme

The Superbus will be launched in three stages. First, TU Delft will develop an experimental demonstration model together with the government (government contribution: € 7 million),

while encouraging business sponsorship. At the next stage, a prototype will be developed in cooperation with industry and government (government contribution: € 70 million). In the final phase, industry will use its own resources (€ 700 million) to prepare the Superbus for large-scale production.