The "green" helicopter of the future

CEO Alexander Zosel

e-volo
Team and partner network

- Four founders that have known each other for 25 years
- Research partners
- Industrial partners
- Legal authorities

- Currently ~ 60 people are working for the project
The inventors

VoloCopter
e-volo partners
Proof of concept VC1, 2011
Worldwide recognition

- Youtube video: More than 6M visitors
- More than 200 TV reports
- Lindbergh Foundation Prize 2012
The helicopter of the future

The article discusses the development of the future helicopter, focusing on the electrically powered systems and the integration of autonomous control systems. It mentions the ongoing research and development efforts in this field, including collaborations between universities and industry. The text also highlights the potential for such helicopters to revolutionize transportation, offering benefits such as reduced emissions and improved efficiency. It concludes with the expectation that these advancements will lead to safer and more efficient aerial transportation modes.
German politicians visited e-volo
VC200
Mockup – AERO - april 2013
Volocopter advantages

- Easy to use "fly by joystick - low pilot skills"
- Safe to fly
- Simple and reliable
- Affordable and maintenance-free
- Clean Aviation
- Much quieter than a helicopter
The market

- The real target market:
  The "dream of flying" personal mobility
    - Market size: multi-billion $

- Initial target market (shortest TTR):
  Flight enthusiasts and early adopters
    - Competitors: Light Sport Aircrafts
    - Market size: 1,000s of units
Applications

- Big Toy: 1-seater for everybody.
  No license required in the US (FAA Rule 103)
- Air Sports: 2-seater (LSA and European Ultralight Aircraft)
- Air rescue
- Quiet air taxi for metropolitan areas
- Large UAVs
- .....
Legal basis in germany

• The German authorities have decided to create a new aircraft category "Volocopter"
• Official trial program has started
  - building regulations
  - pilot education and training
  - air traffic regulations
• First Volocopter sports pilot licences available in 2015/2016
## Production VC200

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<th>Version</th>
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Production april/mai 2013
VC100: 1-seater/large UAV

Design study
## Production VC100 for US market

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Funding

✔ **Phase I:** Proof of Concept, IP Protection
  - Seed capital by founders: €100k

✔ **Phase II:** Development and Prototyping VC200
  - Seed capital by founders: €350k
  - Public funding by German government, the EU and the industrial partners: €2,500k

❓ **Phase III:** Production setup VC200, enter Market
  - Crowdfunding: €1,000k
  - Public funding: €2,000k

❓ **Phase IIII:** Development VC100 (1 Seater/Large UAV), enter US Market
  - Investment capital: €10,000k
Intellectual property

• E-volo Patents:
  - Several worldwide Applications filed

• Partner Patents:
  - We have contracts with our industry and reasearch partners for their IP rights for all developments of our volocopter project.