

# EUROPEAN ENERGY VENTURE FAIR 2003

## FORTU Battery Technology GmbH

Prof. Dr. habil. Guenther Hambitzer

### New High Energy - High Power Rechargeable Battery

The European Energy  
Venture Fair 2003

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# Technology and Product

- New high energy and high power rechargeable battery with unique features like:
  - ✍ simple chemistry with basic scientific understanding
  - ✍ highest energy and power density
  - ✍ no expensive electronics
  - ✍ unique safety - no burning materials
  - ✍ low price
- Replacement of existing batteries in many applications
- Creating of new markets
- Ready for pilot production
- Basic and filed patents



# Market

- Big share of battery market (long term) is achievable
- Built up of a pilot plant, turnover 20 Mio. €, for:
  - ✍ high energy batteries 65 Ah for fork lifters, scooters, EV´s, automotive transportation vehicles ( 6.5 Mio. € LoI)
  - ✍ high power batteries 3 Ah for model aircraft (internet sale), cordless tools, power assist
- Built up of production plant, turnover 135 Mio. €, for OEM-customers.



# Business and Revenue

- revenue by sale of pilot plant products, of production plant products, of licences, of products from joint venture companies

- start of pilot plant production after 15 months

- break even after 24 months



- 10 Mio. € including 4 Mio. € for investment of pilot plant (guarantee of state Baden-Wuerttemberg was announced)

- Proof of the low cost production and field tests are most important to get in the market because then the big business will start

# A Team of Excellence

- Managing partner Prof. Dr. habil. Guenther Hambitzer, inventor of the battery system
- 15 years basic R&D with
  - ✍ about 30 Diploma thesis
  - ✍ 5 Ph.D. thesis
- 20 high qualified persons and about 10 advisors can restart with partly long years battery R&D and Production experience



# Summary



- up today round about 20 Mio. € were invested in R&D and production development
- Financing of 24 months by 10 Mio. € including 4 Mio. € for investment of pilot plant (guarantee of state Baden-Wuerttemberg was announced)
- Built up of the pilot plant within 15 months and start of production and sale
- Exit possibilities for venture capital investors are selling of shares or of the company after 3 years