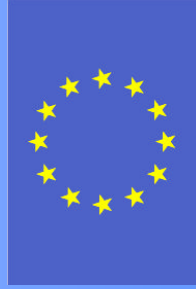


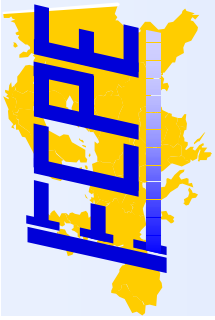


European Center for Power Electronics



Co-financed by the European Union (structural fund Ziel 2) and by High-Tech-Offensive Bavaria





European Center for Power Electronics

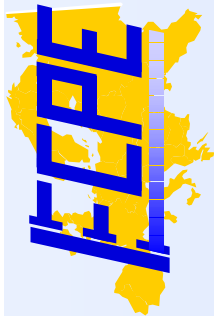
The Industrial and Research Network for Power Electronics in Europe

Research

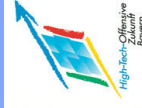
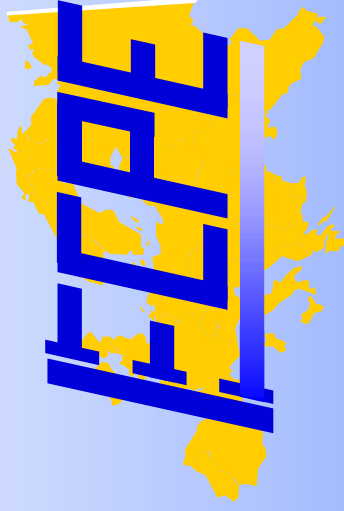
Education

Public relations





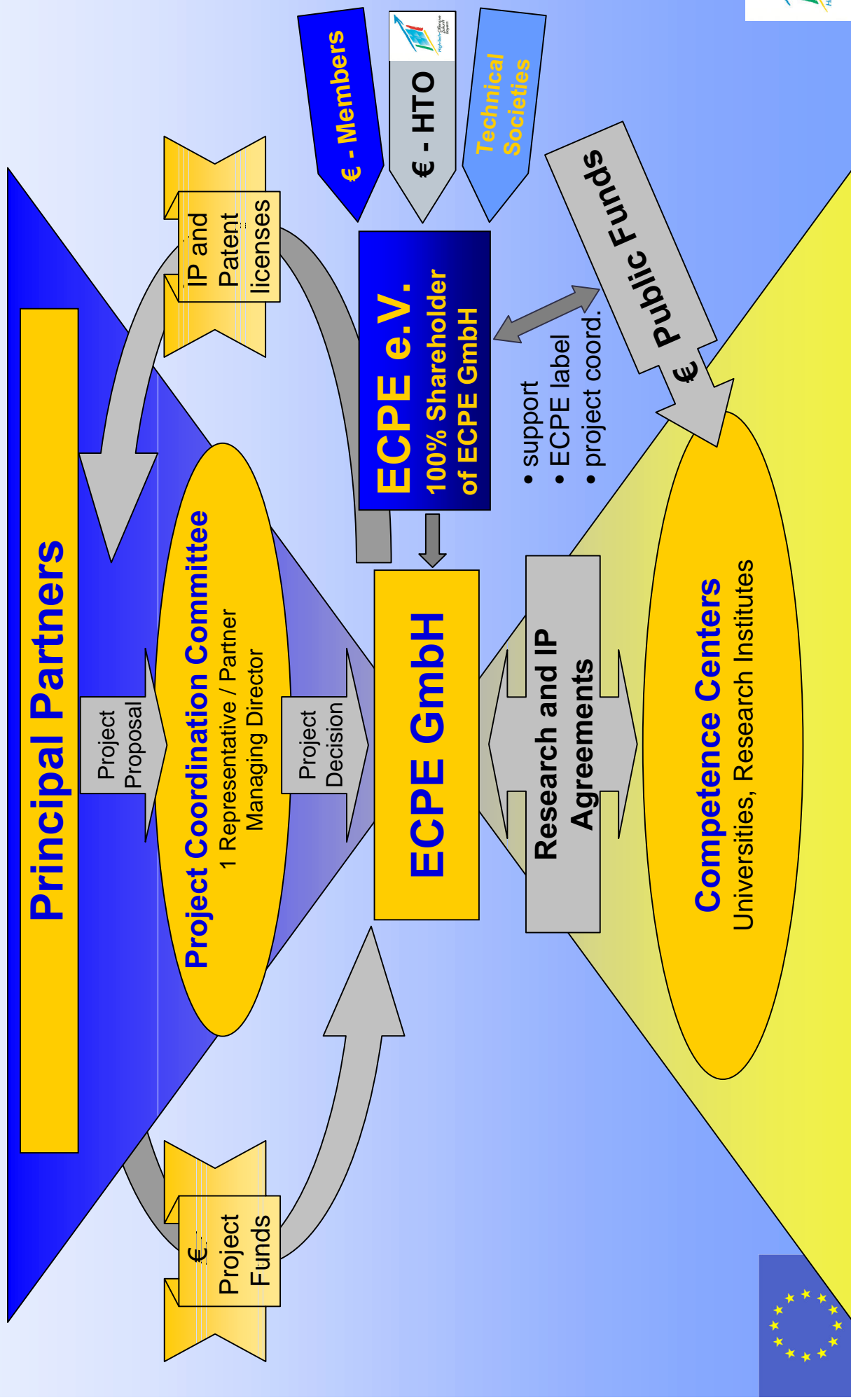
Industrial Members/Partners of ECPE



Improving the Competitiveness of the European Industry

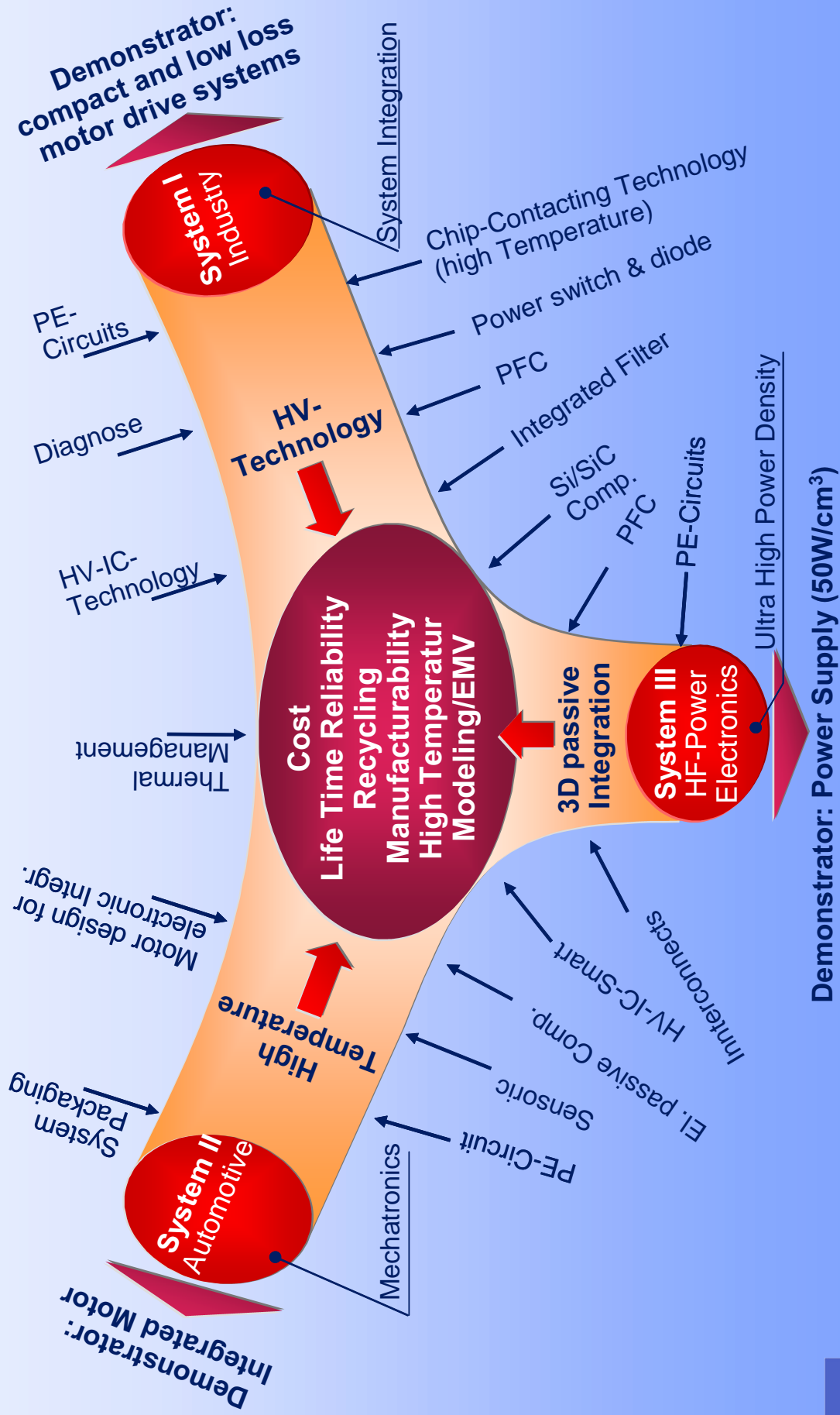
- Improved performance, reliability, efficiency, costs, and miniaturization of power electronics systems,
- Safety and sustainability in the power supply infrastructure “from producer to consumer”,
- Improving design and production technologies that the focus remains in Europe (or becomes a focus in Europe again).
- Europe is taking the lead in energy saving, in the use of environmentally friendly materials, and in recyclable systems.
- Europe is focussing at power electronic systems for industry, automation and automotive applications.

ECPE Research Funds



- **ECPE Seminar Program**
 - ⇒ 3 – 4 events per year, typical 80 – 100 attendees
 - ⇒ Technical program (speakers and topics) with Technical Chairman
- **ECPE Online Course ‘Power Electronics’**
 - ⇒ In cooperation with Prof. Kolar, Dr. Drogenik from ETH Zurich
 - ⇒ Available for ECPE members and for universities
- **ECPE Activities in Power Electronics Conferences**
 - ⇒ Co-organiser of CIPS 2006 (with ETG)
 - ⇒ PCIM Conference, ...

Pre-competitive Topics for Joint Research



Further Activities Planned: Working Groups Projects

- **Power Electronics Technology Roadmaps**
for different applications: automotive, motor drives, traction, energy systems, high frequency power electr., renewable energy sources (+ generic summary roadmap)
- **Energy Saving by Power Electronics**
in different applications: motor drives, power supplies, power conversion, lighting, ...
- **SiC User Forum**
ECPE seminar on SiC in PE systems/applications as kick-off for the user group
- **Basic Needs for Power Electronics Future Development**
long term (visionary) research topics, cross functional topics