Introducing new forms of input and control and reliable operation to automobiles

**Capacitive Input Device**

- High-sensitivity device capable of hovering and gesture input

**Sensors**
- Integration of materials
  - Transparent electrode ITO, PEDOT
  - PCB electrode
  - Conductive carbon
- Capacitive sensing
- CAE analysis and design

**Touch control ASICs**
- High sensitivity and control
- Low radiated emissions
- In-house design of analog/digital ASICs

**Algorithms**
- Alps original sensing control
  - Pierr rejection, glove touch
  - Zero Travel switch

Input works even through surfaces of varying materials

Hovering and gesture input are realized using a high-sensitivity sensing device

**Gestures**
- Control in space at distance of 5-10cm
- Works even when wearing gloves

**Touch control**
- Works even when wearing gloves

Tremendous freedom in use of materials

Also supports curved surfaces