



CTR Carinthian Tech Research AG

Research Centre for Smart Systems Integration & Intelligent Sensorics

Where technological innovations arise

Posel v Avstriji –

kje se za inovativna slovenska podjetja skrivajo priložnosti?



Competence Centers for
Excellent Technologies

Ljubljana, 22.11.2018

Founded	1997
Employees	60 (+14 PhD students) excl. Master students
Turnover 2017	~7 Mio.€
Shareholders	Public entities
Network	Forschung Austria, EPoSS, ECSEL Austria, IVAM, AG Sensorik, AG Innovation IV, me2c Cluster TU Wien, JKU Linz, AAU Klagenfurt, TU Graz, TU Dresden, Uni Freiburg, TU Clausthal, EPFL, TU Delft, CNRS, KOC University





Objective & Problem Definition

- Current state analysis
- Requirements
- Specifications
- Project partner selection

1



Feasibility Study

- Technology monitoring
- Literature research
- Patent analysis
- Test measurement

2



Drafting & Design

- Proof of concept
- Simulations
- Drafts
- Validity check

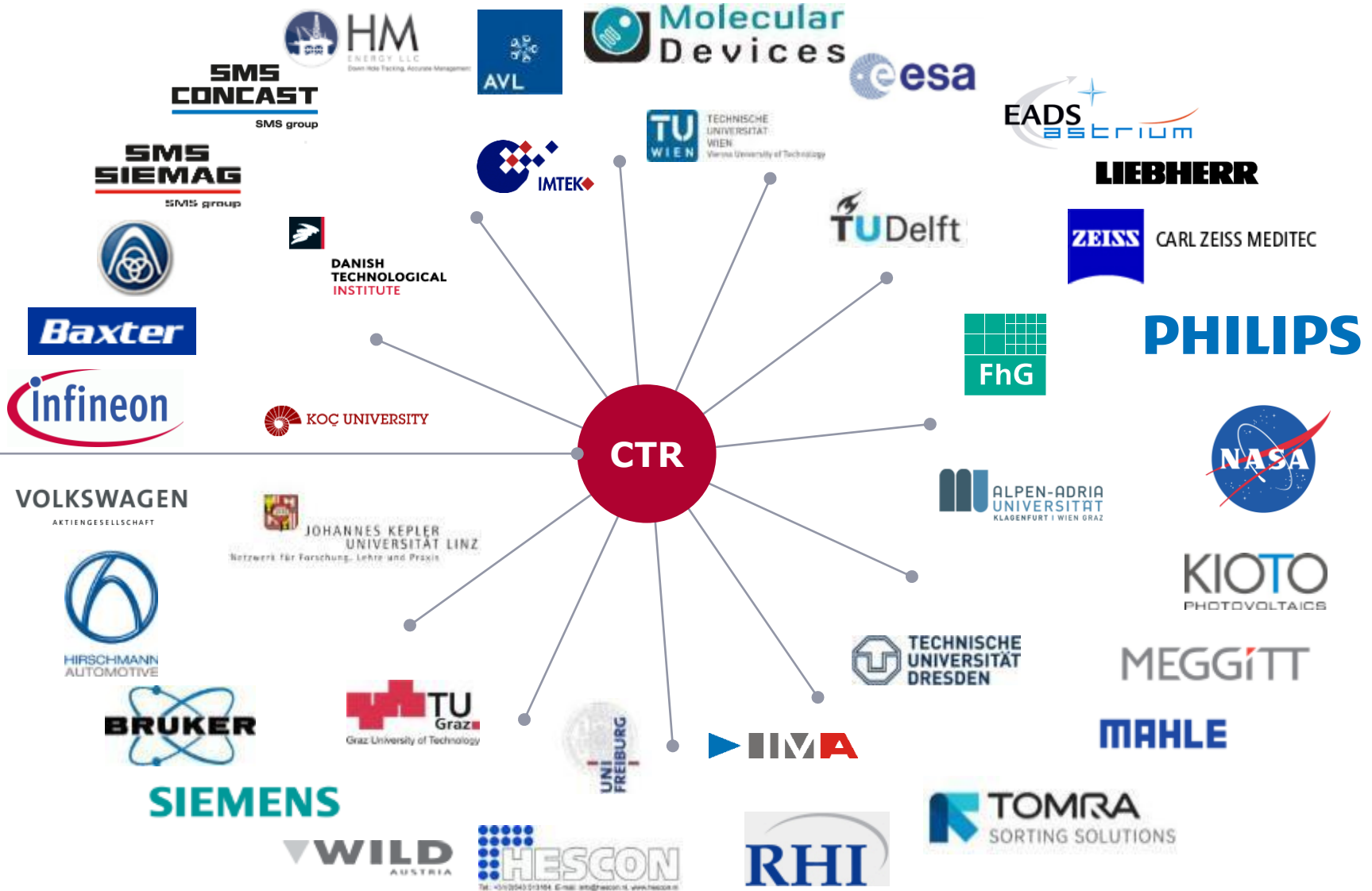
3



Development & Prototyping

- Prototyping
- Smart system integration
- Verification & validation
- Optimisation

4

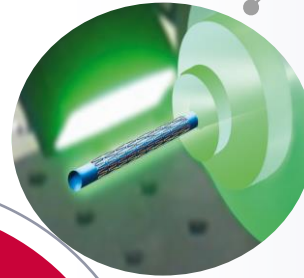


MICROSYSTEM- TECHNOLOGY



MEMS / MOEMS
Simulation/Design/Integration
MEMS Prozess-Technologies
Test & Characterisation

PHOTONIC SENSOR SYSTEMS



Raman
UV-VIS-NIR-MIR
Imaging
Laser Systems
THz

PACKAGING & HETEROINTEGRATION



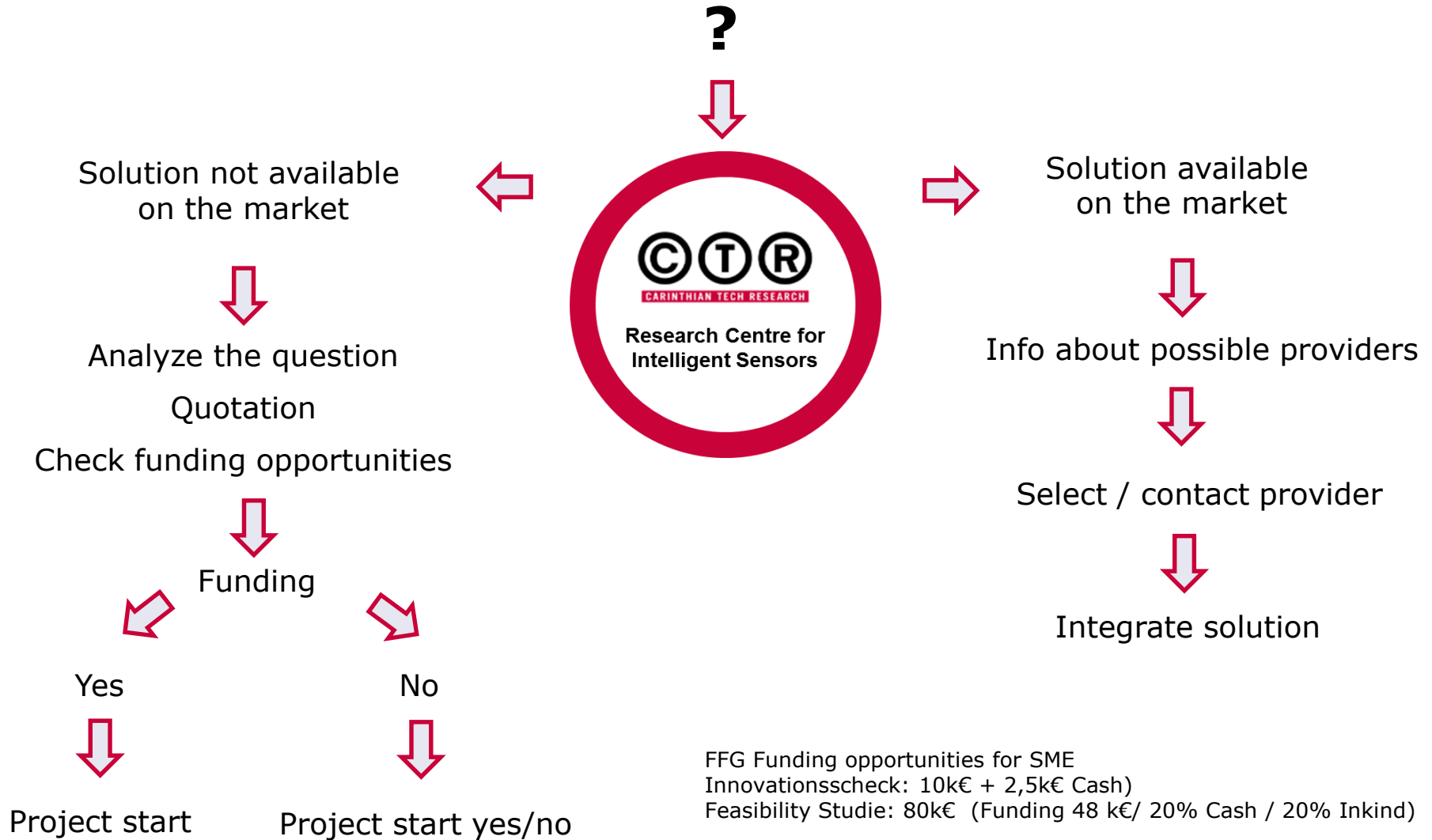
Functional packaging
Advanced packaging
Micro-Mechatronic Modules
Rapid Prototyping

SMART SYSTEMS



Systems for quality and process control
SAW-based sensors
Photovoltaics
Sensors for e-mobility

Bringing
Technologies
into
Application



FFG Funding opportunities for SME
Innovationsscheck: 10k€ + 2,5k€ Cash)
Feasibility Studie: 80k€ (Funding 48 k€/ 20% Cash / 20% Inkind)

www.ctr.at

Warum hat der Teller einen Rand?



Damit man darüber hinaus blicken kann!

Externe Kompetenz bei Forschung und Entwicklung eröffnet neue Perspektiven und erweitert Horizonte. CTR entwickelt und forscht als Kompetenzzentrum für Intelligente Sensorik im Auftrag von Industrieunternehmen unterschiedlichster Branchen weltweit.

Was morgen die Welt verändern soll, muss heute entwickelt werden.