# **Energy Management**



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**BASF Future Business GmbH** 

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## **BASF's segment structure**





**Chemicals** 



**Plastics** 



**Products** 





Oil & Gas

**Inorganics** 

Performance **Polymers** 

Acrylics & Dispersions

Catalysts

Crop **Protection** 

Oil & Gas

Petrochemicals

Polyurethanes

Care Chemicals

Performance Chemicals

Construction

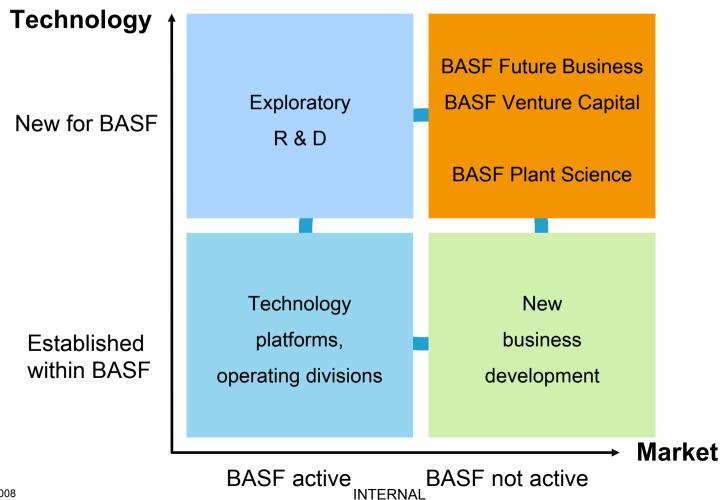
Chemicals

Coatings

Intermediates

#### **Innovation matrix of BASF**





## Two companies - one goal

#### Future business for BASF



# BASF Future Business GmbH Internal ventures

- Founded 1 April, 2001
- 100% subsidiary of BASF SE
- Headquarter in Ludwigshafen
- 23 employees\*
  - Ludwigshafen, Germany
  - Somerset, USA
  - Hong Kong, China

\*w/o BASF Fuel Cell GmbH

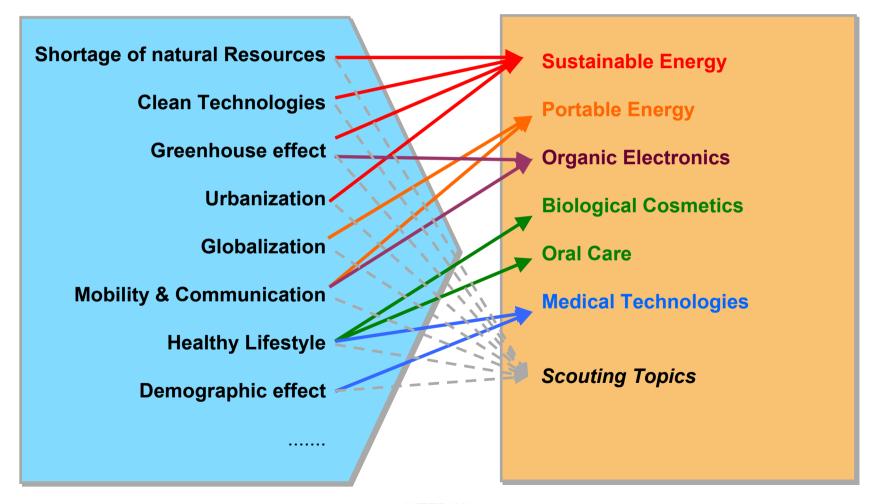
# BASF Venture Capital GmbH External ventures

- Founded 1 April, 2001
- 100% subsidiary of BFB
- Headquarter in Ludwigshafen
- 13 employees
  - Ludwigshafen, Germany
  - Fremont, USA
  - Hong Kong, China
- Vested with €125 million

#### **BASF Future Business GmbH**

### From trends to topics





- - - · scouting

#### **BASF Future Business GmbH**

### From topics to projects





Sustainable Energy & Portable Energy



- Fuel Cell
- Li-Batteries
- Thermoelectrics
- Magnetocalorics
- Ultra capacitors



**Organic Electronics** 



- OLED Lighting
- Printed Electronics
- Organic Photovoltaics



Biological Cosmetics & Oral Care



- Pro-T-action™
- CIO<sub>2</sub> for Oral&Med Care



**Medical Technologies** 

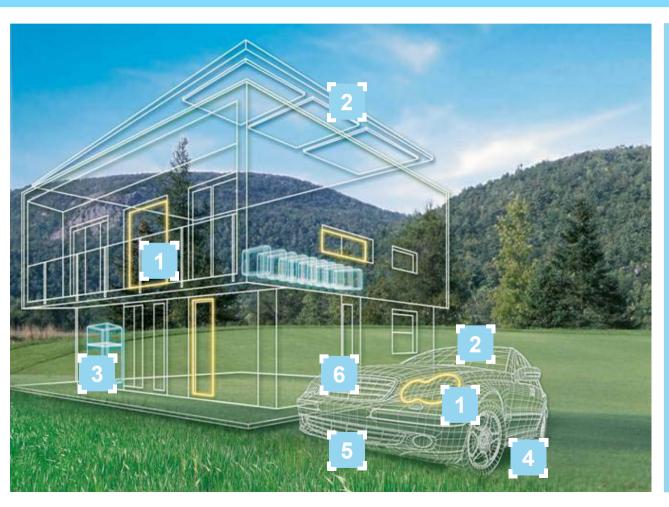


- Surface Modification
- Wound Management

## **Energy Management**

## **Project Portfolio**





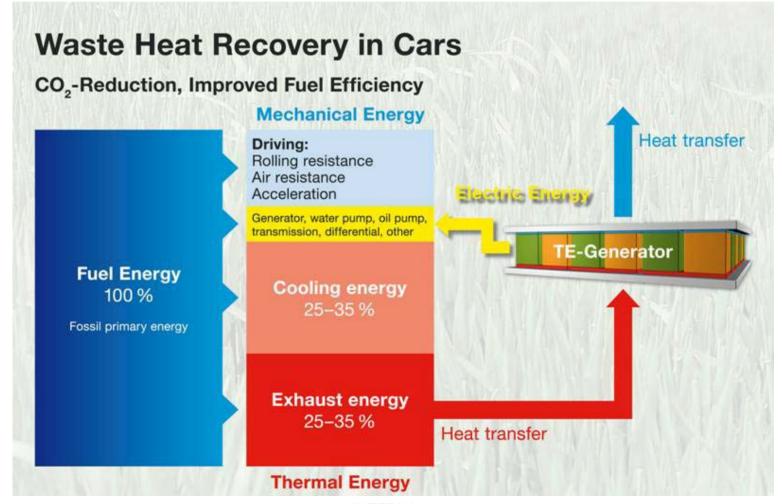
- New Lighting
  Systems:
  Organic Light Emitting
  Diodes
- 2 Energy by Sunlight:
  Organic Photovoltaic
- New Cooling
  Systems:
  Magnetocaloric Cooling
- Thermoelectric Power Generation
- Improved Batteries for Electro Cars:
  Li-lon Batteries
- 6 Ultracapacitors

### **Energy Management**

### **Application of Thermoelectrics**



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The Chemical Company