



### Asahi Kasei's great inventions

### LIB (Lithium ion Battery)





Dr. Akira Yoshino



## Asahi Kasei's great inventions







### **Asahi Technologies in AKXY**



Asahi Kasei X (multiplied by) You (the customer)



### Asahi Kasei Group Overview

#### Company name

Asahi Kasei Corp.

#### **Head Office**

Chiyoda, Tokyo

#### Founding

Material business sector

Asahi Kasei Corp. Asahi Kasei Microdevices Corp.

#### President

Hideki Kobori

#### Paid-in capital

¥103.3 billion

#### Employee\*

34,670 \* At March31, 2018 Homes business sector



Asahi Kasei Homes Corp. Asahi Kasei Construction Materials Corp.

#### Fiscal 2017 results

Net sales ¥2,042.2 billion (approx. 15 billion euros )

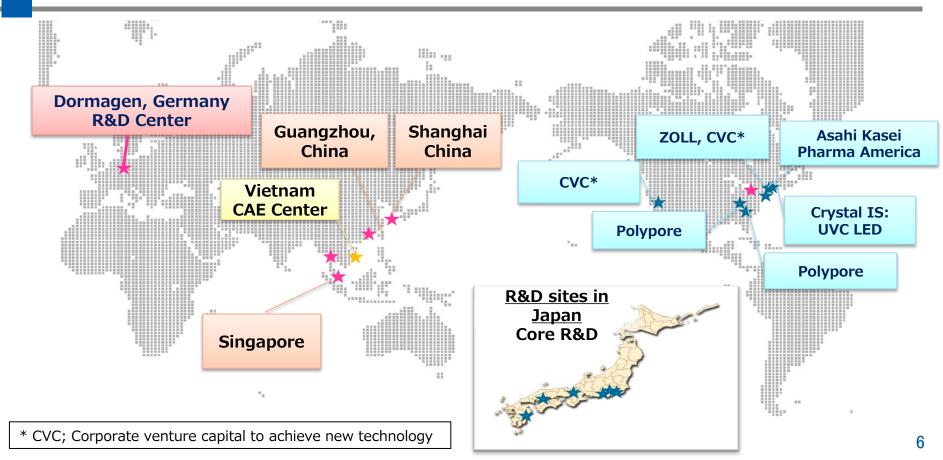




Asahi Kasei Pharma Corp. Asahi Kasei Medical Co., Ltd. ZOLL Medical Corporation



#### Main R&D bases around the world

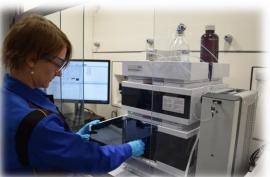




#### **R&D** center location and structure







Engineering Plastics

LEONAT XYRONT THERMYLENET

Performance Coating



Synthetic Rubber

Corporate R&D (Electrolyte, composites)

- 1. Technical Support
- 2. Market development

# Asahi**KASEI**Mega trends in the environment in Europe



Paris agreement (Nov 2016 – )

→ To keep global temperature increase "well below" 2°C (36°F) and to pursue efforts to limit it to 1.5°C



Abandon nuclear power by 2022 (Germany)

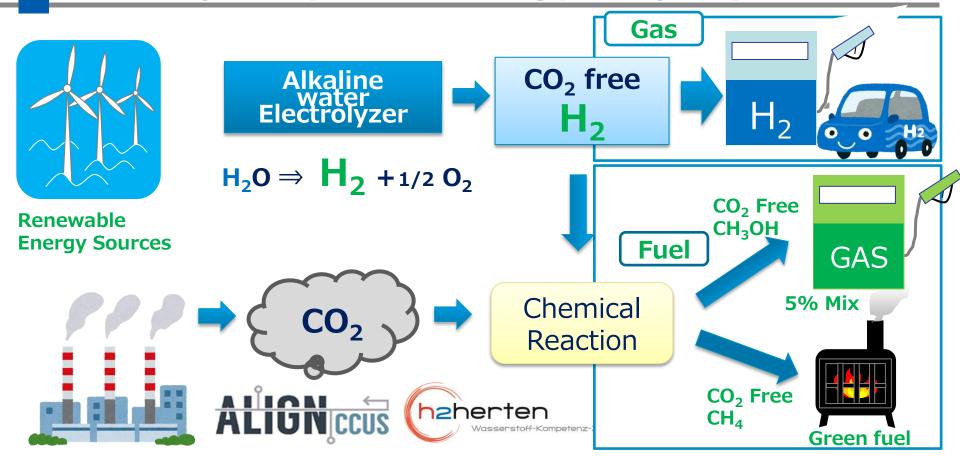
#### **CO2** reduction target

Entity		Target	Ву	Below
$\langle \langle \rangle \rangle$	EU	40%	2030	1990
•	Japan	26%		2013
*)	China	60-65%		2005
0	India	33-35%		2005
	Russia	25-30%		1990
	USA	26-28%?	2025	2005

Major OEMs need to cut off fleet emissions by ~30% by 2020 to meet EU emissions target



## **H2 Project (Clean Energy Project)**



# Asahi**KASEI H2 Project in Herten (Clean Energy Project)**





#### Asahi **KASEI**

# Mega trends in the automotive industry







Reduce CO<sub>2</sub> emission

**Electrification** 

Lightweight

# Asahi Kasei 's global innovation strategy



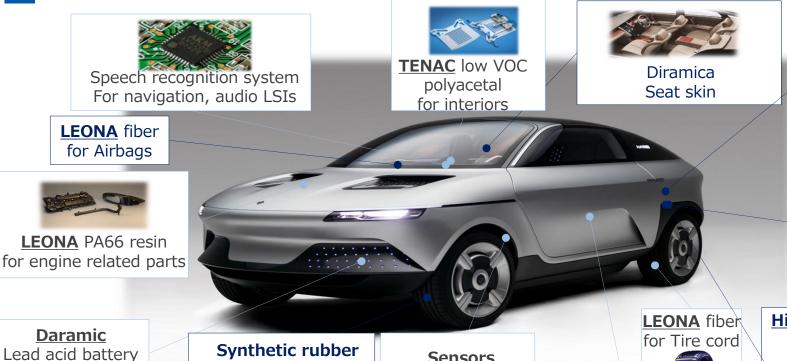




Innovative technologies and novel solutions

#### **AsahiKASEI**

# Wide spectrum of products in AKXY



XYRON for battery related parts

<u>SunForce</u> foam beads for battery parts



Hipore and Celgard
LIB separator



for fuel-efficient Tires

separator

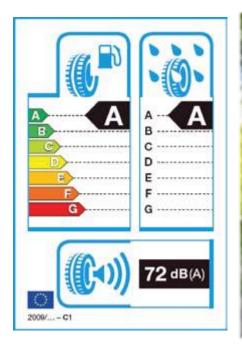
**Sensors** for electric motors



Functional material for **paint / coating** 



# **Superior Rubber for eco tires**







## **Networking – Science**







## **Networking – Corporate level**

#### Trade shows and conferences



November 13–16, 2018 Messe München













materials





























# **Networking – Life in Düsseldorf**



2018 Feb JUDO work shop in Düsseldorf

