

Joint press release

## **SINDELFINGEN AND PFORZHEIM: NEW HYDROGEN FILLING STATIONS FOR SOUTHWESTERN GERMANY**

- **Germany's network of hydrogen (H<sub>2</sub>) filling stations grows to 32 locations**
- **Daimler, Linde and Shell reaffirm their commitment to clean fuel H<sub>2</sub>**
- **As many as 400 service stations planned by 2023 as part of the H<sub>2</sub> Mobility Joint Venture**
- **German government actively supports infrastructure development**

Sindelfingen, Pforzheim, 31 July 2017 – Germany's H<sub>2</sub> filling station network is growing at an increasing pace. After the opening of stations in Wiesbaden and Frankfurt in June, Daimler, Shell and Linde have now commissioned two more hydrogen stations in Sindelfingen and Pforzheim. This brings the number of fuelling options for emission-free fuel-cell cars in Baden-Württemberg to nine, making the federal state Germany's leading H<sub>2</sub> region. The openings are another step in the partners' efforts towards establishing a nationwide H<sub>2</sub> supply network.

The new sites are conveniently located on the A8 (Pforzheim) and A81 (Sindelfingen) motorways, at key intersection points for traffic routes in southwestern Germany. The Sindelfingen H<sub>2</sub> station is located near the historic Daimler vehicle production plant, which houses the company's research and development centre, whose responsibilities include overseeing the development of the next generation of Mercedes-Benz fuel cell vehicles based on the GLC.

Daimler is the builder of the two hydrogen stations; their innovative H<sub>2</sub> filling technology comes from the technology company Linde. Both are located at Shell service stations. All three companies are partners in the H<sub>2</sub> Mobility joint venture, which is working to expanding the hydrogen infrastructure in Germany.

Ensuring the success of hydrogen mobility requires the simultaneous provision of an attractive range of fuel-cell vehicles as well as the necessary fuelling infrastructure. Germany currently has a total of 32 hydrogen refuelling stations in operation, sponsored by the German government via its National Innovation Programme for Hydrogen and Fuel Cell Technology (NIP). Altogether, the German government contributed 1.8 million euros to the construction of the two new stations. By 2018, the plan is to have 100 filling stations. The Clean Energy Partnership (CEP) demonstration project laid the foundations for the expansion of Germany's hydrogen infrastructure by establishing common standards and norms.

The two latest hydrogen stations in Baden-Württemberg feature state-of-the-art technology and an intuitive fuelling experience for drivers, similar to refuelling conventional vehicles. The refuelling process takes between three and five minutes to complete. Sindelfingen and Pforzheim

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each have the capacity to serve 40 hydrogen-powered cars per day from now on.

A hydrogen-powered fuel-cell vehicle emits no local pollutants or carbon dioxide (CO<sub>2</sub>). A number of manufacturers already offer such vehicles, with an operating range of between 500 and 700 kilometres. Daimler AG will present its latest generation of vehicles based on the Mercedes-Benz GLC later this year.

Hydrogen plays an important role in the debate on how Germany can achieve its climate goals. It is one of the options for extending the fuel supply in the transport sector in a climate-friendly manner, because climate-damaging CO<sub>2</sub> emissions can be significantly reduced by using hydrogen generated produced with renewable energy.

### **Outlook**

Other hydrogen stations are currently at the planning stage or under construction in Germany. This year, for example, filling stations in Wendlingen, Karlsruhe, Munich, Bremen and Kassel are to follow.

H2 Mobility just recently called for suggestions for other service station sites: several stations are to be built in regions with the largest potential hydrogen sales by number of fuel-cell cars (700 bar).

### **Numerous guests at the opening**

Many representatives from Sindelfingen and Pforzheim's political and business communities came to the opening of the stations:

### **Norbert Barthle, Parliamentary State Secretary at the Federal Minister for Traffic and Digital Infrastructure:**

"Above all, electromobility with fuel cells means clean mobility, quick refuelling and long ranges. To get more of these cars on our roads, we need a large H<sub>2</sub> refuelling network in Germany – in metropolitan areas, along our motorways, but also everywhere else. Integrating H<sub>2</sub> stations into conventional service stations is an important step."

### **Jochen Hermann, Head of CASE and e-Drive Development, Daimler AG:**

"Our new fuel-cell vehicle based on the Mercedes-Benz GLC is on the starting block. Of course, if it is to be a real alternative for customers, a comprehensive H<sub>2</sub> service station network is needed. Together with our partner H2 Mobility, we are working intensively on expanding the network. Zero-emissions, long-range mobility will soon be a reality in Germany."

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**Stijn van Els, Chairman & CEO, Shell Deutschland Oil GmbH:**

“Hydrogen is a very promising technology, and H<sub>2</sub> a fuel of the future. We expect that this alternative drive system will play an increasingly important role in markets like Germany, England, Benelux and the USA. At Shell, we are on target.”

**Markus Bachmeier, Head of Hydrogen Solutions, Linde AG:**

“Thanks to numerous new openings in recent months and years, Baden-Württemberg is now Germany's number-one hydrogen region. We can even increase the fuelling capacity of our stations as needed, so we feel the local infrastructure is well-equipped for the imminent market launch of new, attractive fuel-cell models. We will also continue to work with our partners to accelerate the construction of the network throughout Germany and beyond.”

**Further information** about the companies, along with pictures of the hydrogen service stations in Sindelfingen and Pforzheim, is available online:

**Daimler AG:** [www.media.daimler.com](http://www.media.daimler.com)

**Shell:** [www.shell.de](http://www.shell.de) and [www.shell.de/flickr](http://www.shell.de/flickr)

**Linde AG:** [www.linde.com](http://www.linde.com)

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