



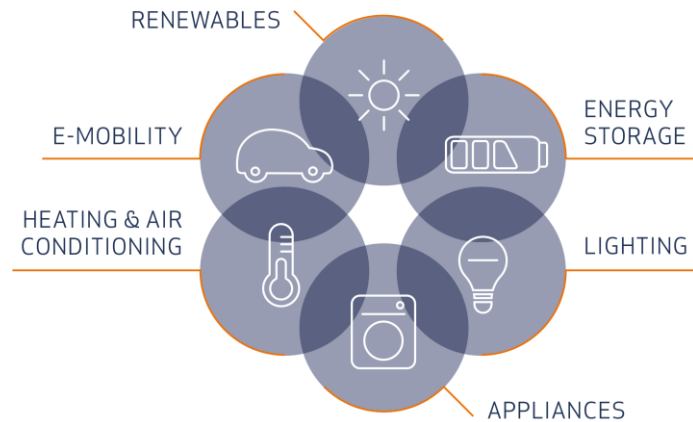
SPEAK ENERGY

# SHORT INTRODUCTION EEBUS

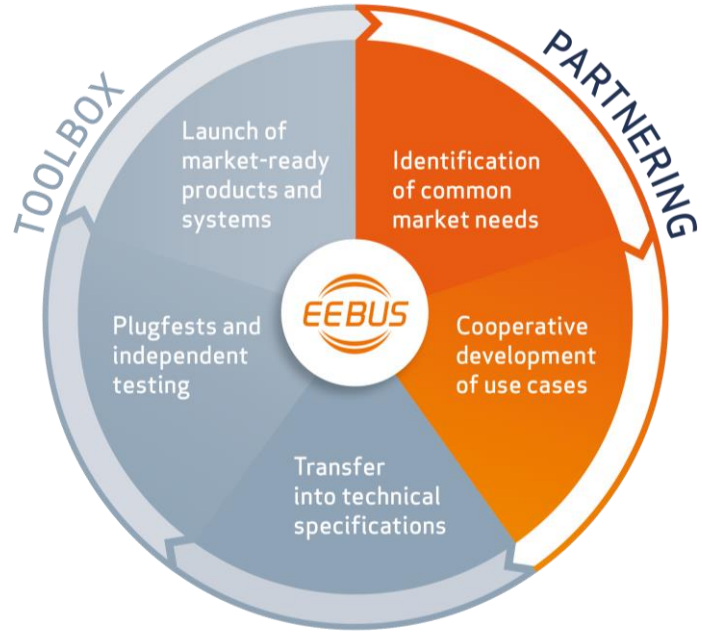
The global language for energy in the Internet of Things.

# ONE LANGUAGE FOR ALL DEVICES

- A global language in which devices can communicate about energy – transcending the boundaries of continents and industry sectors.
- A language that can be used by any device and any platform independent of manufacturer and technology.

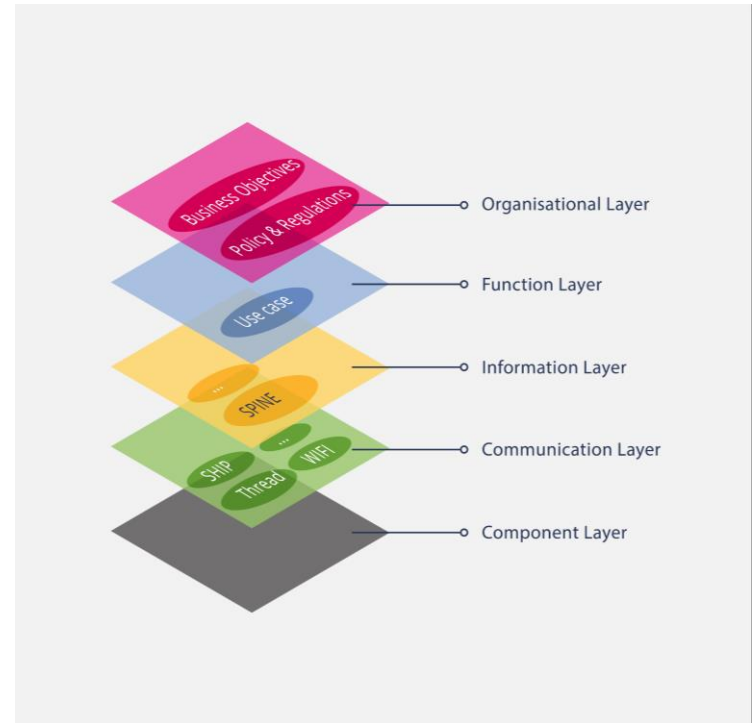


- The standardisation process always begins with common market needs which are jointly defined through the participating companies. From this starting point cooperative scenarios (use cases) and business models are derived.
- The Cross-Industry-Netzwerk is an important factor in this process. By the constant exchange between the companies, a comprehensive common understanding is reached.



# ONE STANDARD FOR INTEROPERABLE DATA MODELS

- The use cases are converted into standardised data models which are called SPINE.
- These SPINE data models can be exchanged via a large variety of technological platforms (z.B. OCF oder KNX) as well as on many communication and transmission channels (z.B. WIFI, Thread).
- Every company thereby retains full sovereignty over its data and devices.





# MEMBERS



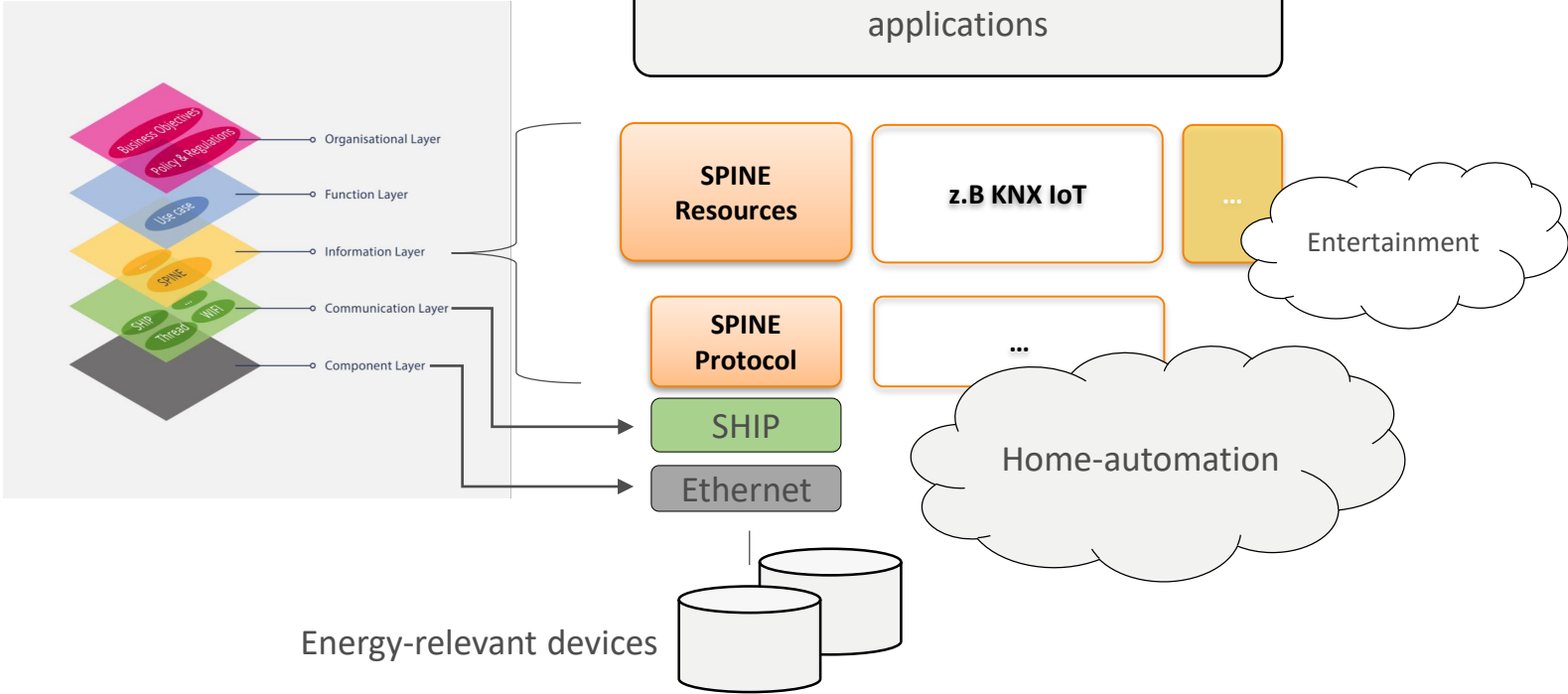
automotive engineering



## WHO IS BEHIND EEBUS?

- Nationally networked with BMWi & associations (VDE, DKE, BDH, VDA, VDIK, ZVEI...).
- Supporting European Commission projects and targets (DG Connect & DG Energy).
- Working with international standardization bodies (e.g. CENELEC, IEC, ETSI).
- Included in prEN 50631-1 (Interoperable Connected Household Appliances) and in the EU Framework **SAREF** (Smart Appliances REference).

A management system utilizes the suitable resources for the realization of its use cases





- Consequent separation of layers: interoperability starts at resource level
- All SPINE devices can communicate with each other and build an autarkical energy network. Here EEBUS permanently takes care about new use cases and related resources.
- The closer the partnership with other alliances, the easier are hybrid systems. In the ideal case, cooperation is complementary and not overlapping.
- Best case: alliances mutually use their resources, devices can directly understand each other across the boundaries of alliances.
- Thereby higher level management systems can easily integrate SPINE devices



EEBus 1.0.0  
May 2016

First EEBUS  
products  
Autumn 2016

EUW  
Barcelona  
Oct. 2016

ISH fair  
Fankfurt  
March 2017

HVAC  
PlugFest  
May 2017

CECED  
Demonstrator  
Brussels  
June 2017

E-Mobility  
PlugFest  
Cologne  
June 2017

E-Mobility  
PlugFest  
VW Dresden  
Oct. 2017



## Geschirrspülen – Home Connect

Alle Geräte Modelle vergleichen (0)

20 Produkte Listenansicht Kompaktansicht Sortieren nach

Produktfilter

Bauform

- Einbau (19)
- Freistehend (1)

Höhe (mm)

- 815 (13)
- 845 (1)
- 865 (6)

8 Produkte

Produktfilter

Highlights

- Antiflecken-System (7)
- !aquaStop (8)
- ecoPerfect (8)
- Energielabel A+++ (8)
- Home Connect (8)
- i-Dos (3)
- iQdrive (8)
- Load display with dosage recommendation (7)
- Outdoor/Impregnier-Programm (8)

Produkt	Modell	Preis	Rating	Label
iQ700 speedMatic Großraum-Geschirrspüler 60 cm Vollintegrierbar mit openAssist	SN878D26PE	1.449,00 €	★★★★ (0)	A+++
iQ700 Vollintegrierbar mit openAssist	SN878D26PE	1.299,00 €	★★★★★ (12)	A+++
iQ700 Spüler vollintegriert 60cm	SN678X16TD	1.299,00 €	★★★★★ (5)	A+++
NEUI avantgarde Waschmaschine WMUH641	WMUH641	1.199,00 €	★★★★ (1)	A+++
iQ800 Waschmaschine WM6YH890	WM6YH890	1.299,00 €	★★★★★ (5)	A+++
iQ800 Waschmaschine WM6YH840	WM6YH840	1.299,00 €	★★★★★ (5)	A+++
iQ800 Waschmaschine WM6YH790	WM6YH790	1.199,00 €	★★★★ (1)	A+++

# BDH AND EEBUS STARTED A COMMON HVAC PROJECT



**ISH**

Wir haben die Lösungen:  
**Effizienz, Erneuerbare Energien, Komfort.**

Frankfurt am Main  
 14. – 18.3.2017

### Produkte für die digitale Heizung: Das Vaillant Internetkommunikationsmodul VR 920

Geprüfte Interoperabilität

www.VDEInfo.com ID. 40046457

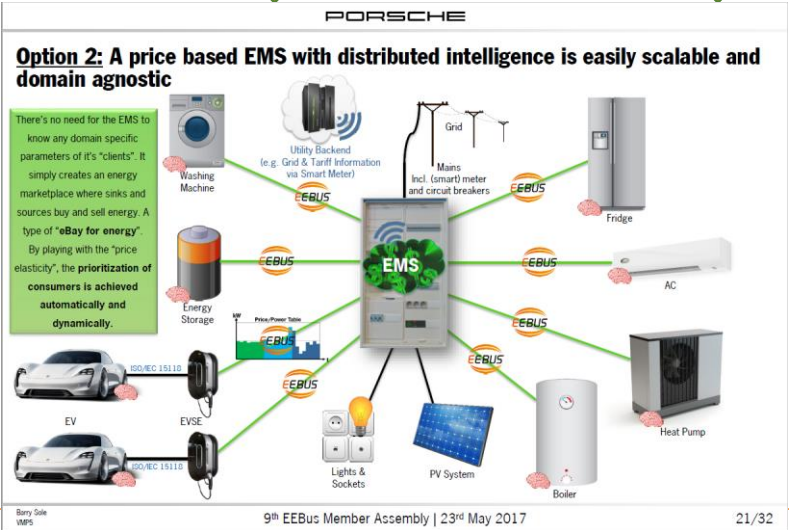
Vaillant eBus Heizgeräte

- Interoperabilität zwischen Vaillant Heizungssystemen und Smart Home Systemen, basierend auf EEBUS-Kommunikation
- Einstelloptionen für Brauchwasser:
  - Betriebsart ändern (Aus, Auto, Tag)
  - Änderung der Ziel-Warmwasser-Temperatur
  - Anzeigen der aktuellen Warmwasser-Temperatur
  - Einmalige Warmwasser-Speicherladung außerhalb der festgelegten Schaltzeiten
- Einstelloptionen für Heizen
  - Betriebsarten ändern (Aus, Tag, Nacht, Auto) für bis zu drei Heizkreise
  - Zieltemperatur (Tag und Nacht) für bis zu drei Heizkreise ändern.

Technologieneutrale Einbindung in EEBus-kompatible Smart Home Systeme.

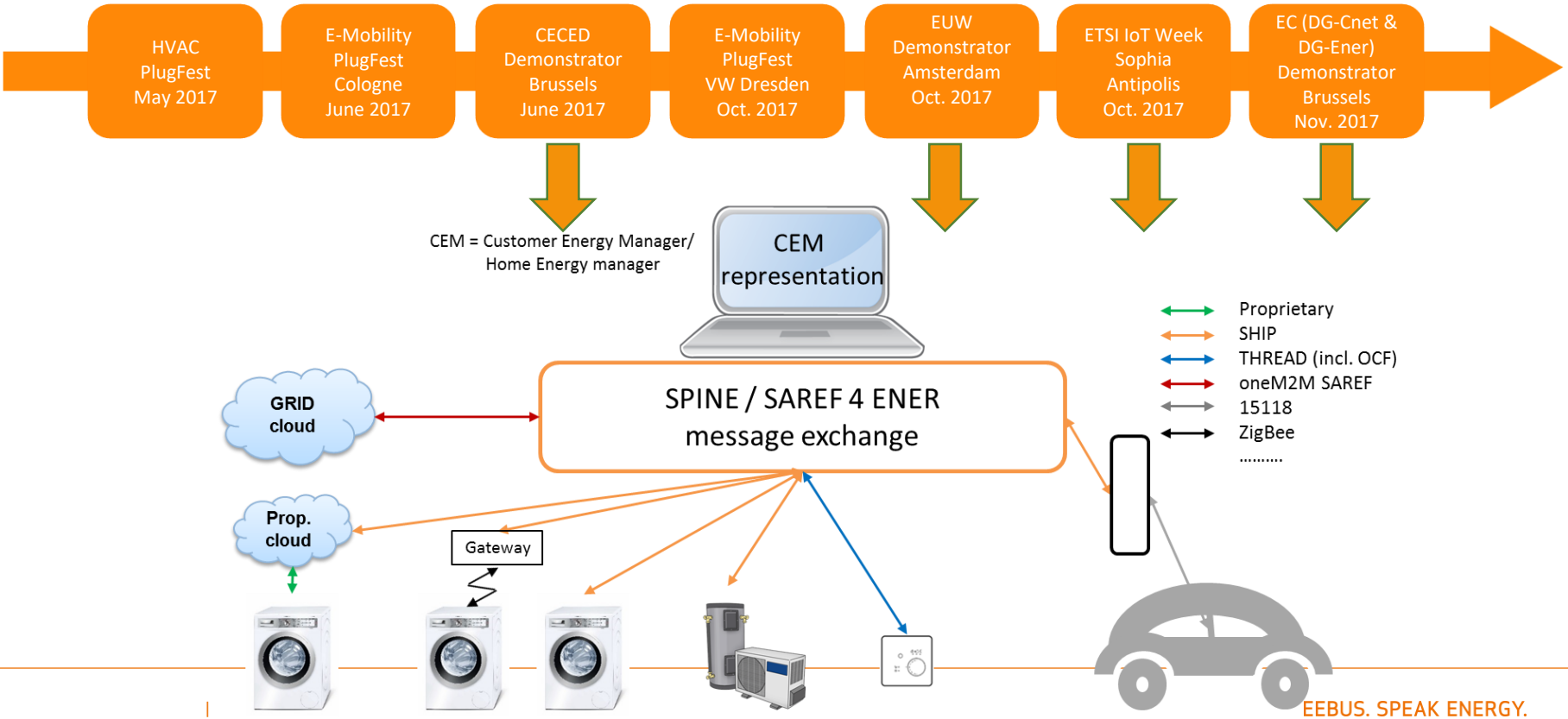


# EEBUS E-MOBILITY PLUGFESTS IN COLOGNE AND DRESDEN





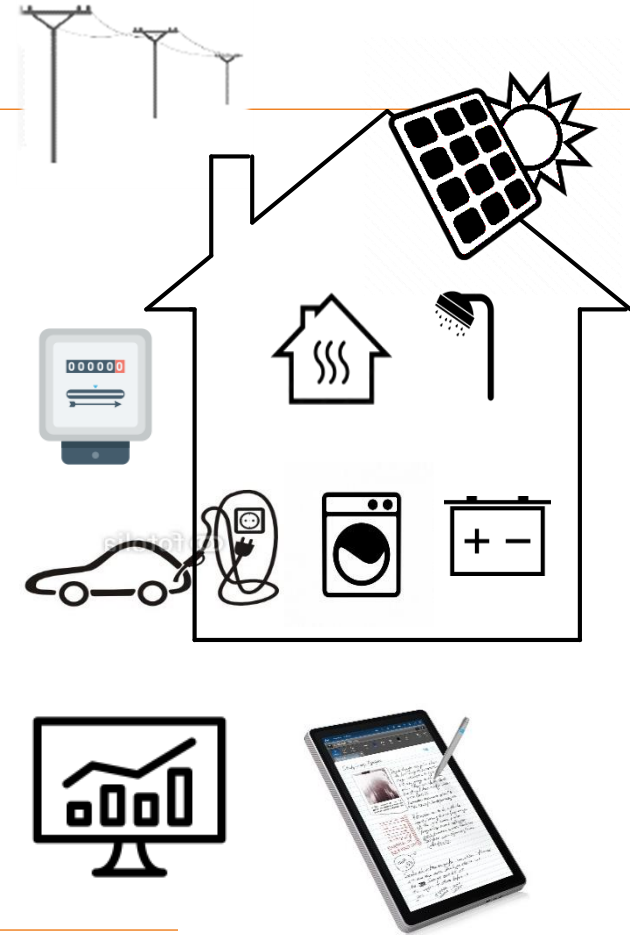
# EEBUS DEMONSTRATOR PRESENTATIONS



## EEBUS offers an interface to energy-related devices for

- Display
- Operation
- Energy Management

**Target is to manage these devices in order to**  
increase total energy efficiency  
save energy cost for the customer  
increase comfort in operation for the customer



## WHAT DOES THIS MEAN FOR CHADEMO ?

- CHAdeMO and EEBUS do not contradict, but have complementary scopes of application
- CHAdeMO can benefit from EEBUS capability to provide energy management across industry sectors
- EEBUS can benefit by including CHAdeMO in its energy network
- CHAdeMO and EEBUS would be ideal partners