

**OSGi™**  
**Alliance**

# The OSGi Alliance – Status, Solutions and You



- OSGi Alliance – Its Members and Its Work
- What Does OSGi Technology Deliver
- Delivering Value Now
- Where We Go From Here
- How You Can Contribute



# What is the OSGi Alliance?

The OSGi Alliance is an independent non-profit cross-industrial corporation that provides for the **fair and uniform creation and distribution of relevant intellectual property** – including specifications, reference implementations, and test suites – to all its Members.



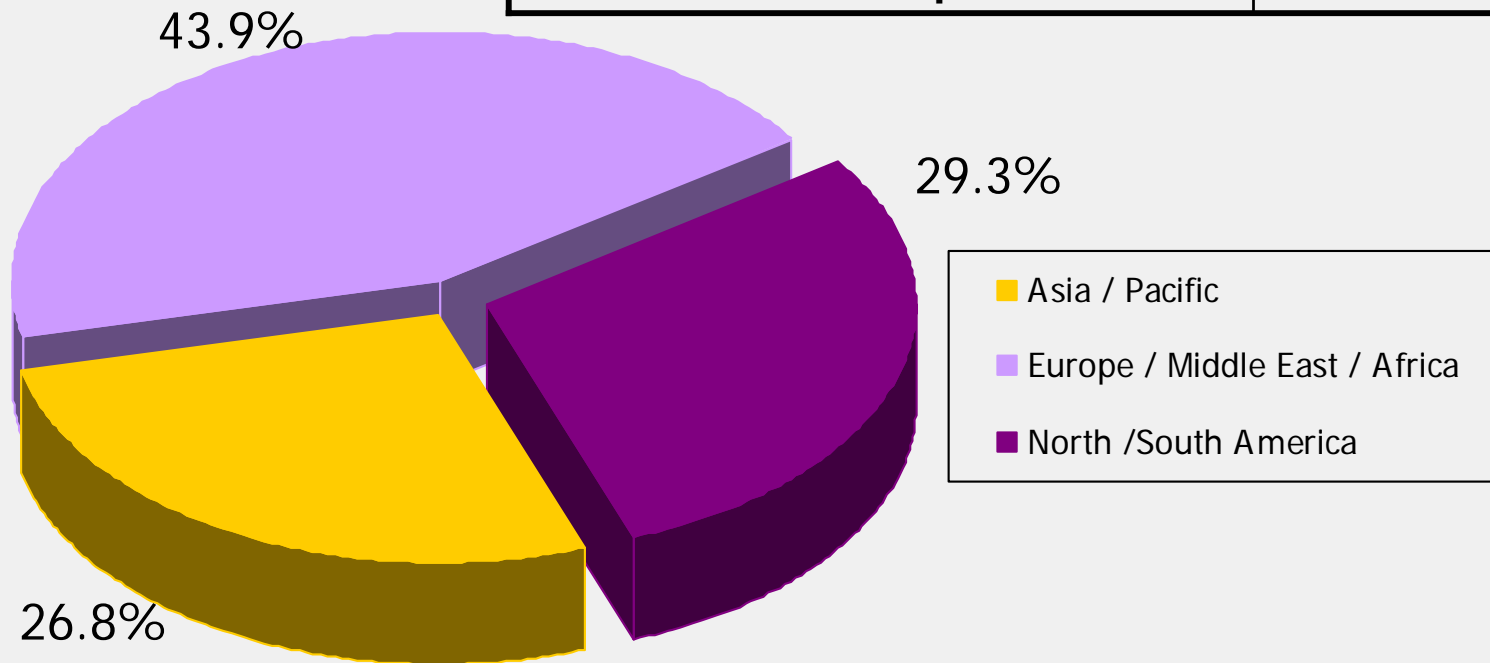
- **Members:**

4DHomeNet, [Alpine Electronics](#), AMI-C, [Aplix](#), Atinav, [Belgacom](#), BMW, [Cablevision](#), Deutsche Telekom, [Echelon](#), Electricite de France (EDF), [Esmertec](#), Espial Group, [ETRI](#), France Telecom, [Fraunhofer Institute](#), Gatspace Telematics, [Gemplus](#), IBM, [Insignia Solutions](#), Institute for Infocomm Research, [KDDI](#), Mitsubishi Electric, [Motorola](#), NEC, [Nokia](#), NTT, [Oracle](#), Panasonic, [Philips](#), ProSyst Software, [Robert Bosch](#), Samsung, [Sharp](#), Siemens, [Sun Microsystems](#), Telcordia Technologies, [Telefonica](#), TeliaSonera, [Texas Instruments](#), Toshiba



# Member Geographical Distribution

Region	Members
Asia / Pacific	11 (26.8%)
Europe / Middle East / Africa	18 (43.9%)
North/South America	12 (29.3%)
<b>Total Member Companies</b>	<b>41</b>

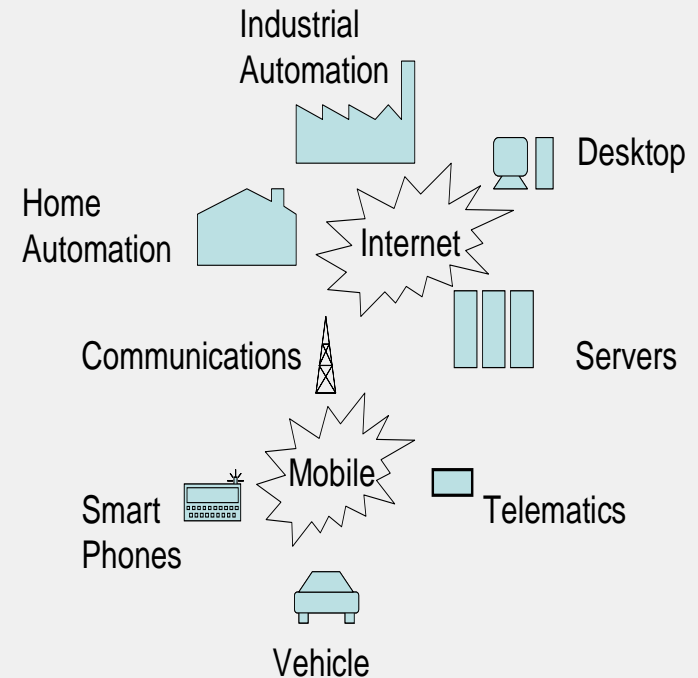


Organizational Requirements:	OSGi Alliance Capabilities:
Fair, open, and democratic governance.	Ideal match.
Uniform licensing terms with a single party.	Ideal match.
Credibility in key markets	Strong reputation in Automotive Telematics, & Home Networking
Single, unified platform approach	Ideal match
Membership includes key industry players from all major value chain segments	Need more support from Telecom Service Providers (SPs) & Independent Software Vendors (ISVs)



# What Does OSGi Technology Deliver?

- Open Industry Framework, Service-Oriented Architecture
  - Modular Components – Bundles
  - Collaborative Model
  - Highly Dynamic
  - Software Lifecycle Management
- For Device Manufacturers & Service Providers
  - Improves time-to-market
  - Reduces manufacturing & development costs
  - Unique new aftermarket sales opportunities



- Business Model Neutral Architecture
  - Robust Mechanisms
  - Policy Neutral Architecture
    - Dynamically Supplied Policy
  - Examples
    - Walled Garden
    - Open Business Model – Charge per Use





- Fortune Global 500 companies delivering OSGi technology today
  - BMW, IBM, Motorola, Philips, Siemens, Sun Microsystems, and Samsung Electronics
- 14 OSGi based Service Gateways
- 26 publicly announced OSGi member company deployments (*more under embargo*)
- 10 EU projects using OSGi-certified platforms



# Major Endorsers Worldwide

- Fortune Global 500 companies supporting OSGi technology today

<b>BMW</b>	<b>NTT</b>
<b>Deutsche Telekom</b>	<b>Nokia</b>
<b>Electricité de France (EDF)</b>	<b>Philips</b>
<b>France Telecom</b>	<b>Samsung Electronics</b>
<b>IBM</b>	<b>Sharp</b>
<b>KDDI R&amp;D Labs</b>	<b>Siemens</b>
<b>Mitsubishi Electric</b>	<b>Sun Microsystems</b>
<b>Motorola</b>	<b>Telefónica</b>
	<b>Toshiba</b>



- Home Solutions
  - Blekinge Tekniska Högskola
  - BSH (Bosch und Siemens Hausgeräte GmbH)
  - E2-Home
  - France Telecom, Thomson Multimedia
  - Infinis
  - Institute for Infocomm Research
  - InterComponentWare
  - Linköping Tekniska Högskola
  - P&S
  - Philips iPronto
  - Raum Computer
  - Siemens Med and Prosys
  - Telia



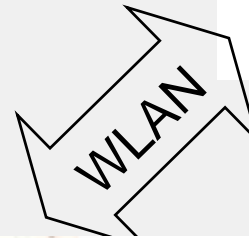
- Service Provisioning
  - Ciaolab
  - Cisco
  - Electricité de France (EDF)
  - IBM
- Automotive Electronics
  - BMW
  - Bombardier
  - Groeneveld
  - Norwich Union
  - Pilotfish
  - Siemens
  - Volvo
  - Wind River



Mobile telephone



*Outdoor  
Communication*



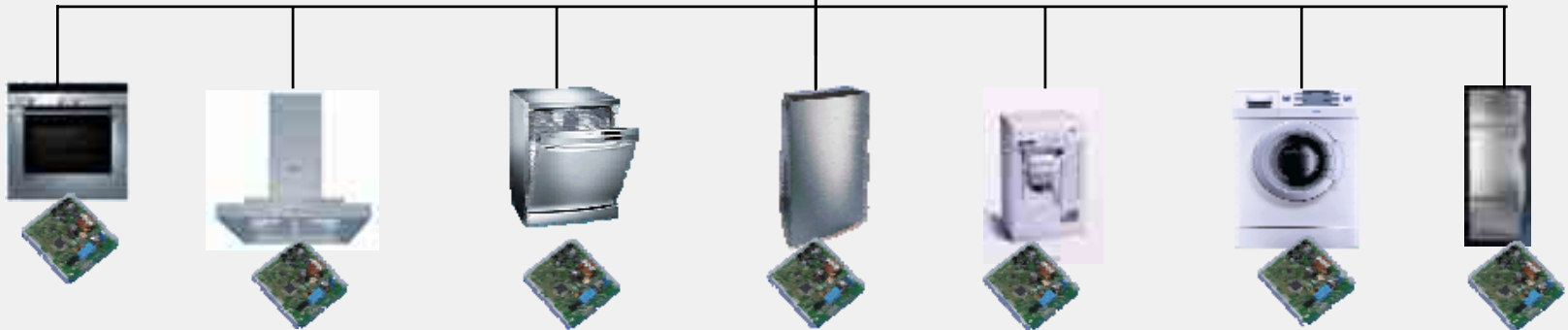
Tablet PC

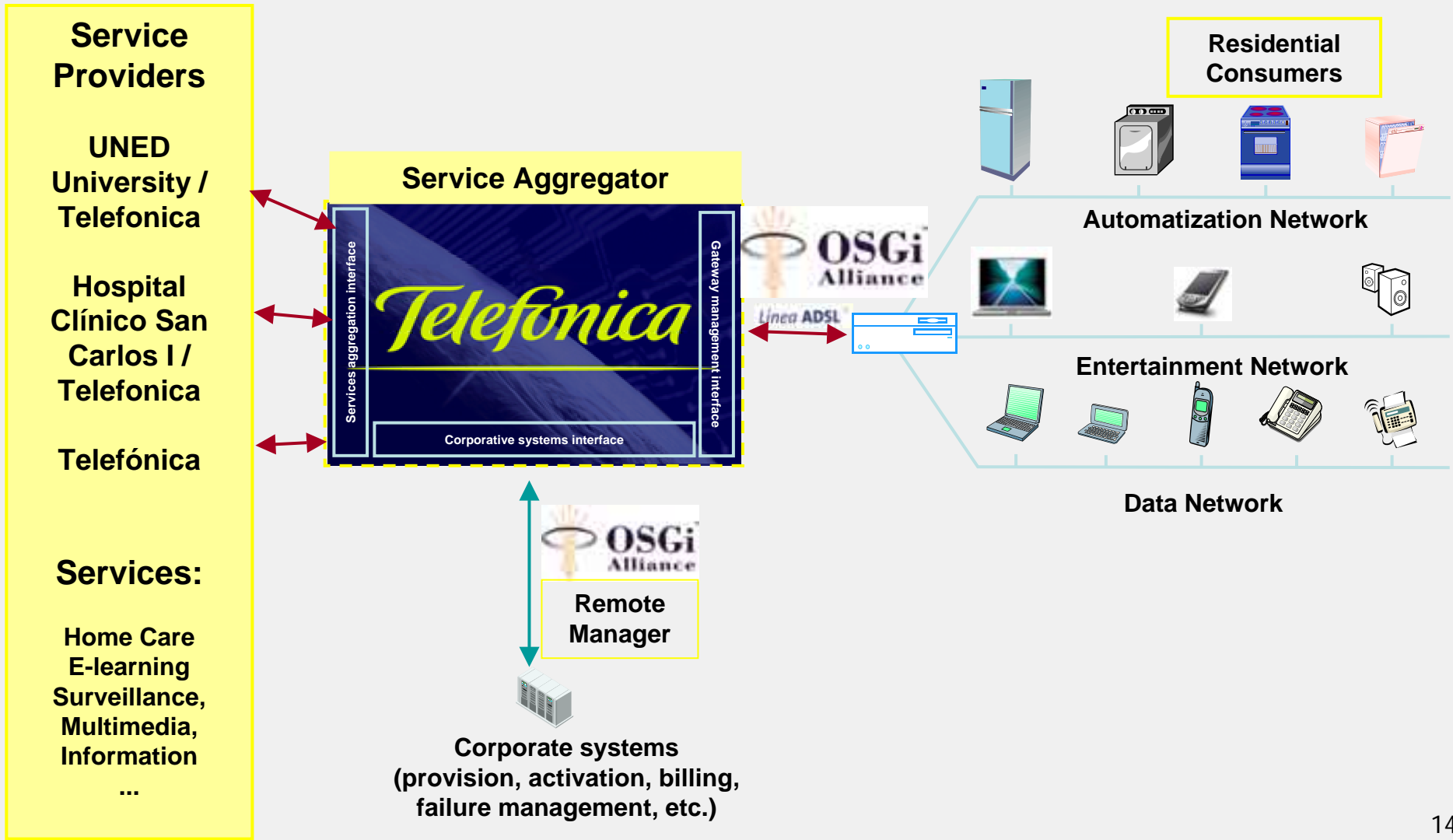
*Indoor Communication*

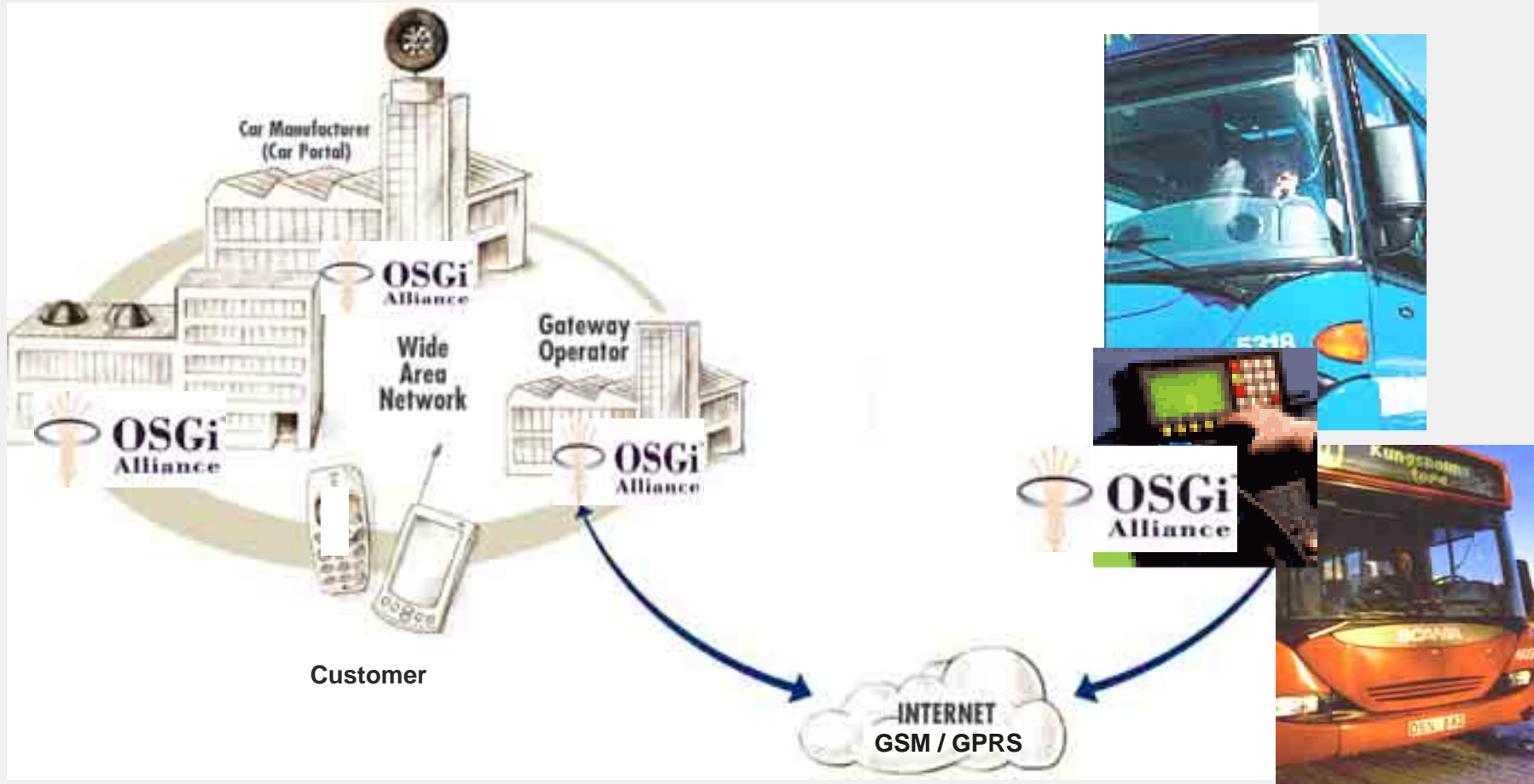


**BSH-Gateway and Plint (Powerline Interface)**

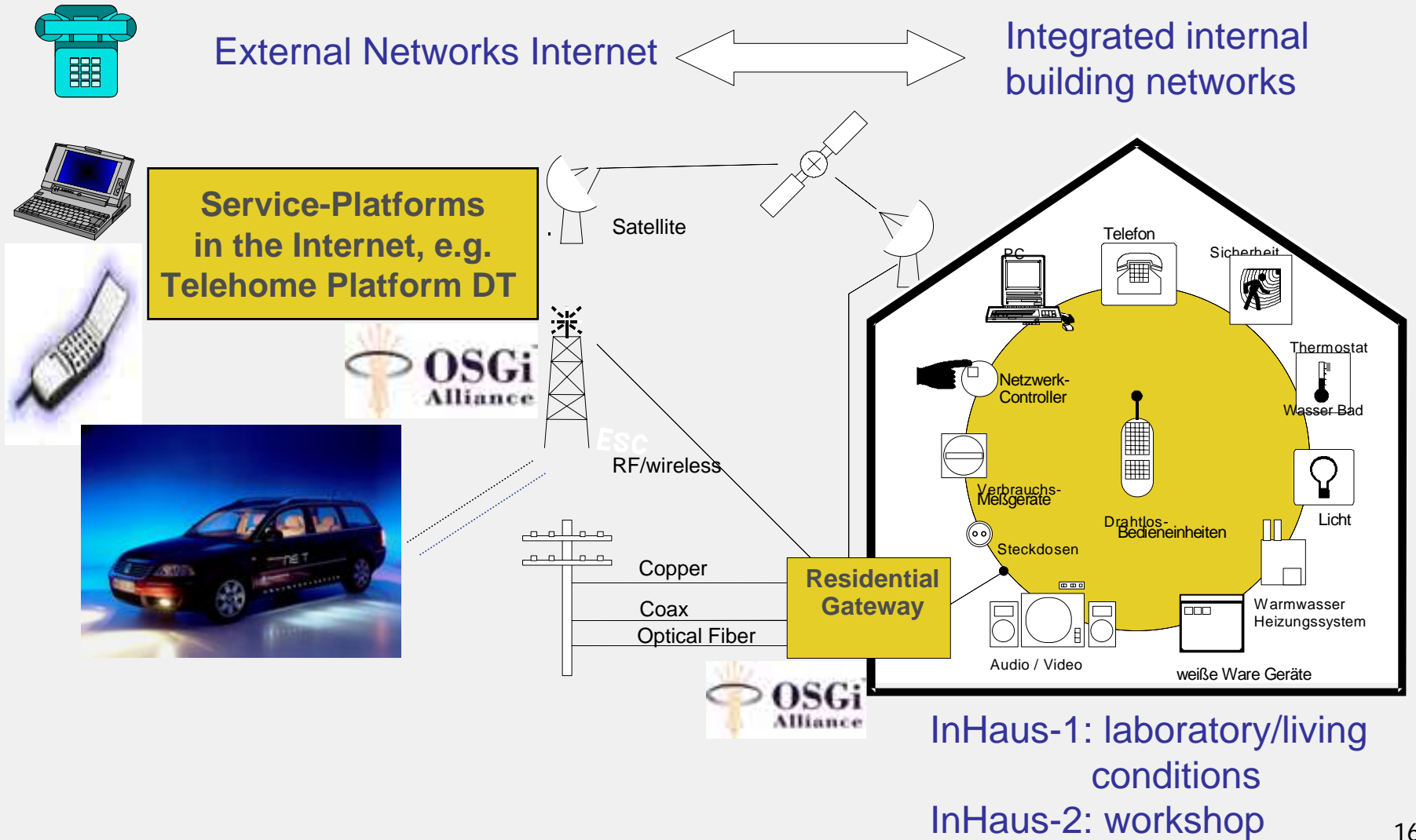
**Powerline**







# InHaus Duisburg Architecture





# Siemens VDO Top Level Architecture: From the Concept to the Reality

Since Q4/2003 the new BMW 5-series and 6-series proposes a Top Level Architecture (TLA) based system worldwide including:

- **Entertainment** (CD, TV, Logic 7 amplifier)
- **Communication** (Bluetooth phone, SMS)
- **GPS Navigation** (Whole Europe on DVD)
- **Telematics** (BMW Assist, BMW Online, E-Call)
- **Car Configuration** (Head-Up Display, Car locking)
- **Climate Control**

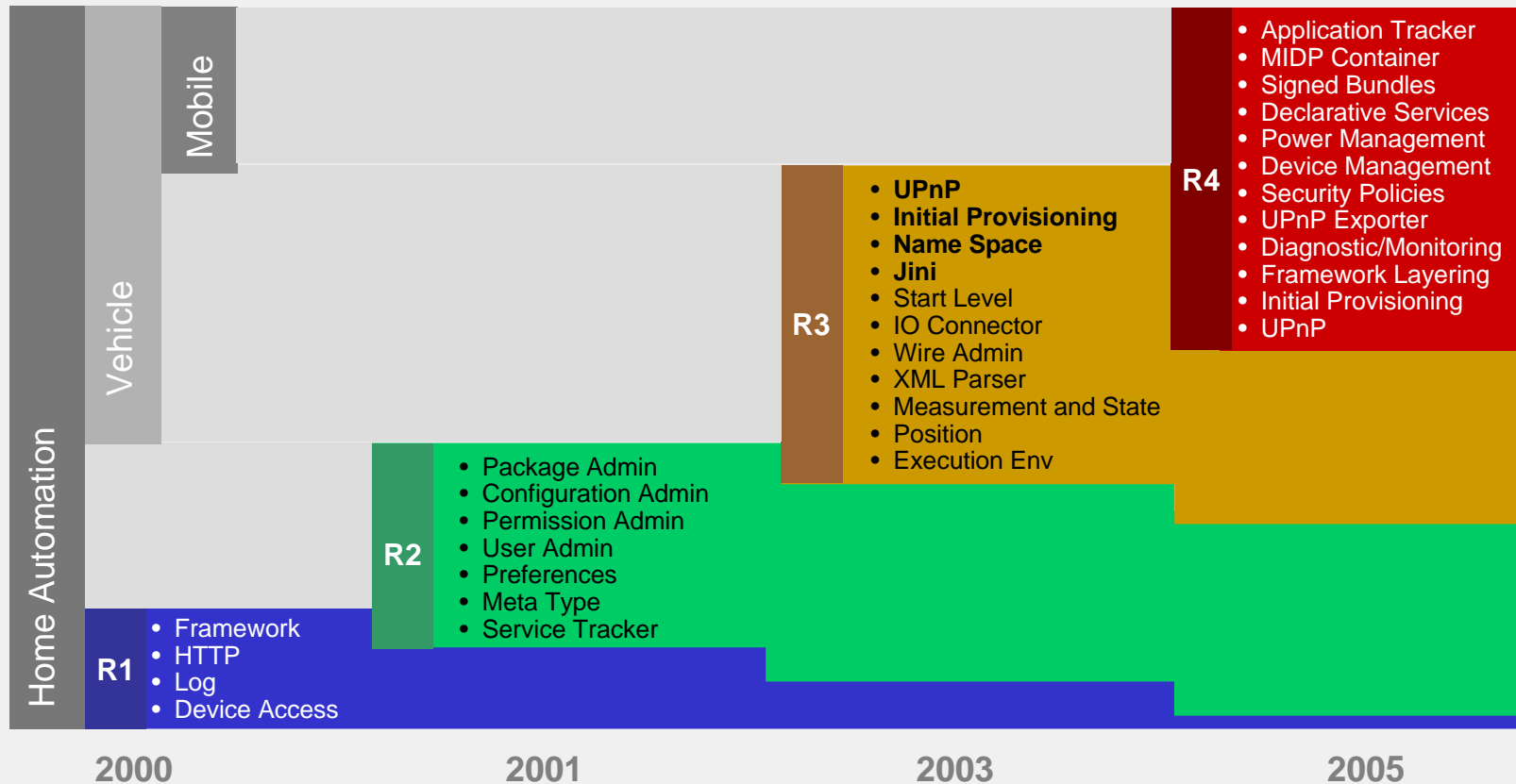


# Where We Go From Here

- Top-tier handset manufacturers and service providers are extending OSGi technology to be the platform-of-choice for mobile services and applications

<b>Manufacturers</b>	<b>Service Providers</b>
Motorola	Belgacom
Nokia	France Telecom
Samsung	NTT
Siemens	Telefónica
Panasonic	TeliaSonera
	T-Mobile





# How You Can Contribute

- Shape the OSGi Alliance specification
  - Work together with more than 40 companies
  - Take a lead in the standardization of a flexible integrated platform
- Take advantage of the global cross-industry Service Platform
  - Integrates today's islands
  - Enables cross-industry business models
- Exchange information in your development community
  - OSGi Expert Groups
  - Discuss with developers and further develop ideas
  - Improve the product solutions of your organization



# Benefits to You

- Benefit from the features of the platform
  - Modular architecture
  - Defined interfaces
  - Future-proof platform, connectivity, easy upgrade and extension
- Access to the source of the RI & test suite
- Certification process provides reliable products
  - Five (5) platforms are already R3 certified
  - Compliance testing is only available to OSGi Members



[www.osgi.org](http://www.osgi.org)

