

# **WORKSHOP # 4**

## **CONCLUSIONS & PROPOSALS**

**“THE APPLICATION OF STANDARDS COVERING SMART HOMES, CONNECTED AND ELMECH TECHNOLOGIES”**

## Explore the market issues:

- Many product standards to comply with
- Standards relate to products not connected systems
- Rate of change of technology is accelerating – need to ensure that standards keep up
- Low cost market entrants, questionable performance/safety

***AGREE – is this a major issue for ARGE?***

## Review current standardisation status:

- What standards are in place?
- What standards are under development?
- Do we know what national associations are planning?
- Are there good examples of national initiatives?

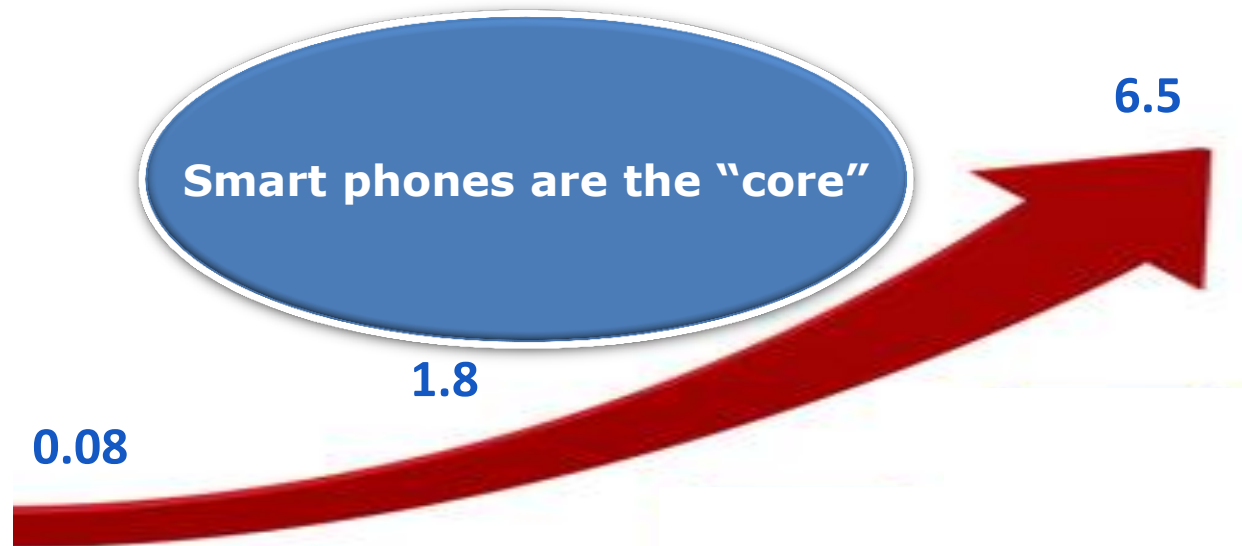
***AGREE – is our industry in shape?***

## Workshop output:

- Establish if this is an industry issue that ARGE needs to engage with
- Key opportunities where ARGE can take action
- What do we think that ARGE could achieve?
- How should we organise ourselves

# Technology Driving Change

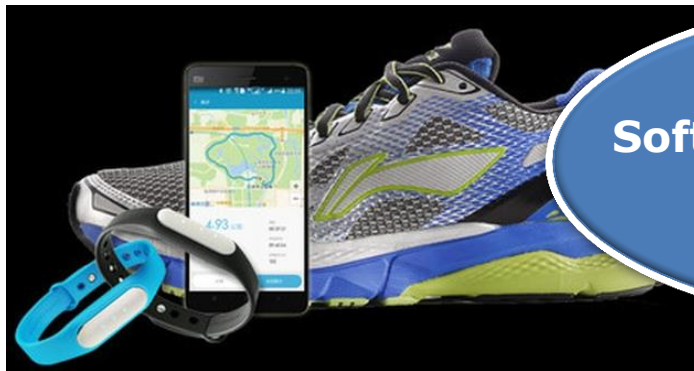
	2003	2010	2015	2020
<b>World Population</b>	6.3 billion	6.8 billion	7.2 billion	7.6 billion
<b>Connected Devices</b>	500 million	12.5 billion	25 billion	50 billion



# Mobile Internet and Internet of Things



Convenience, functionality,  
data driving change



Software, data and service  
lead the market



New devices appearing constantly!

## Our Market Landscape Will Change



Need to embrace change or miss out

## The Role of Hardware Manufacturers is Changing

Technology  
and marketing  
co's lead

Market driven  
by data  
content and  
software

Hardware  
manufs lose  
influence

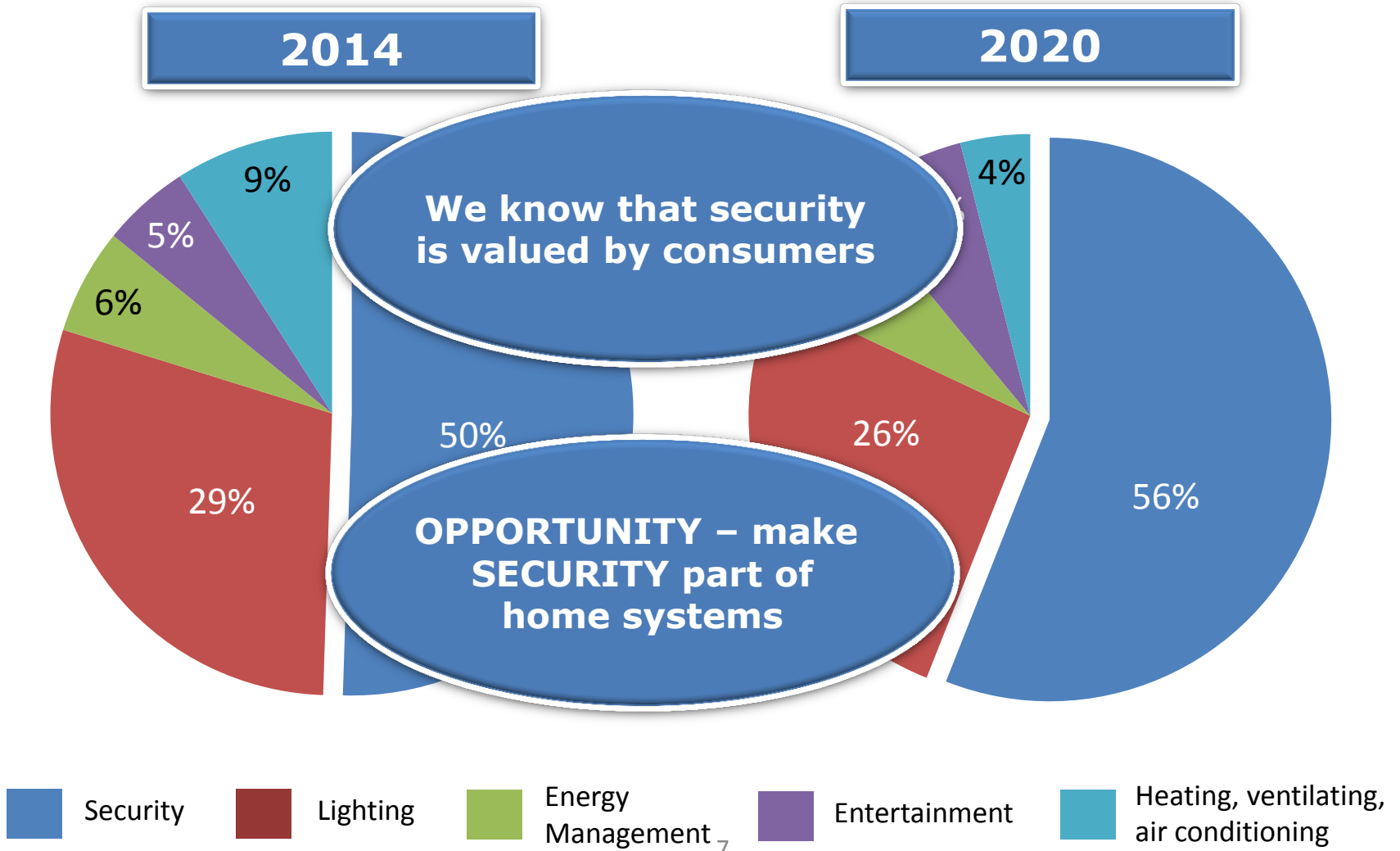
Hardware  
manufs.  
relegated to  
component  
supplier



# Share of Smart Home Market



Source: EU Samsung product innovation team research 2015

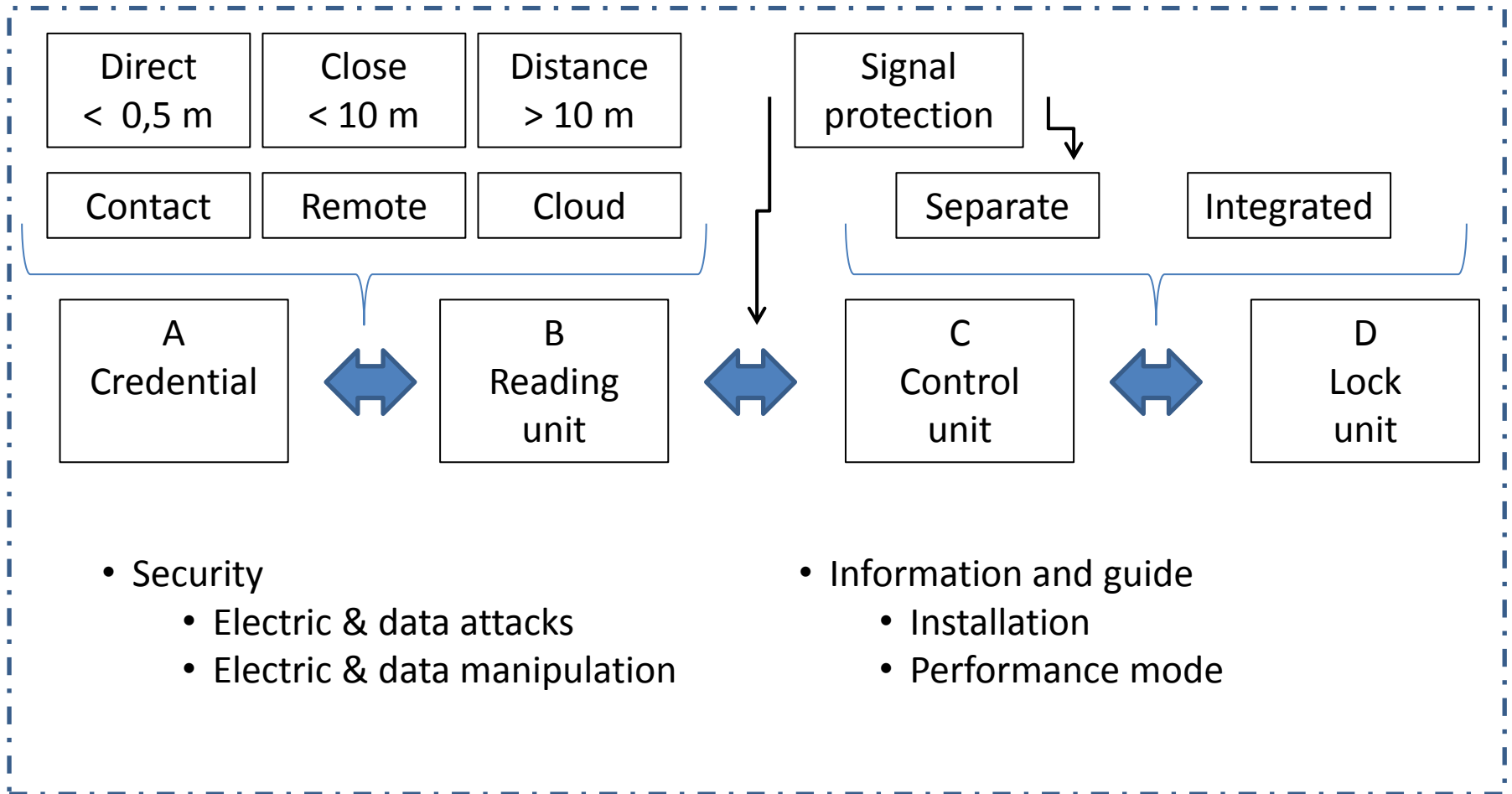


## Scope of Home System Standard

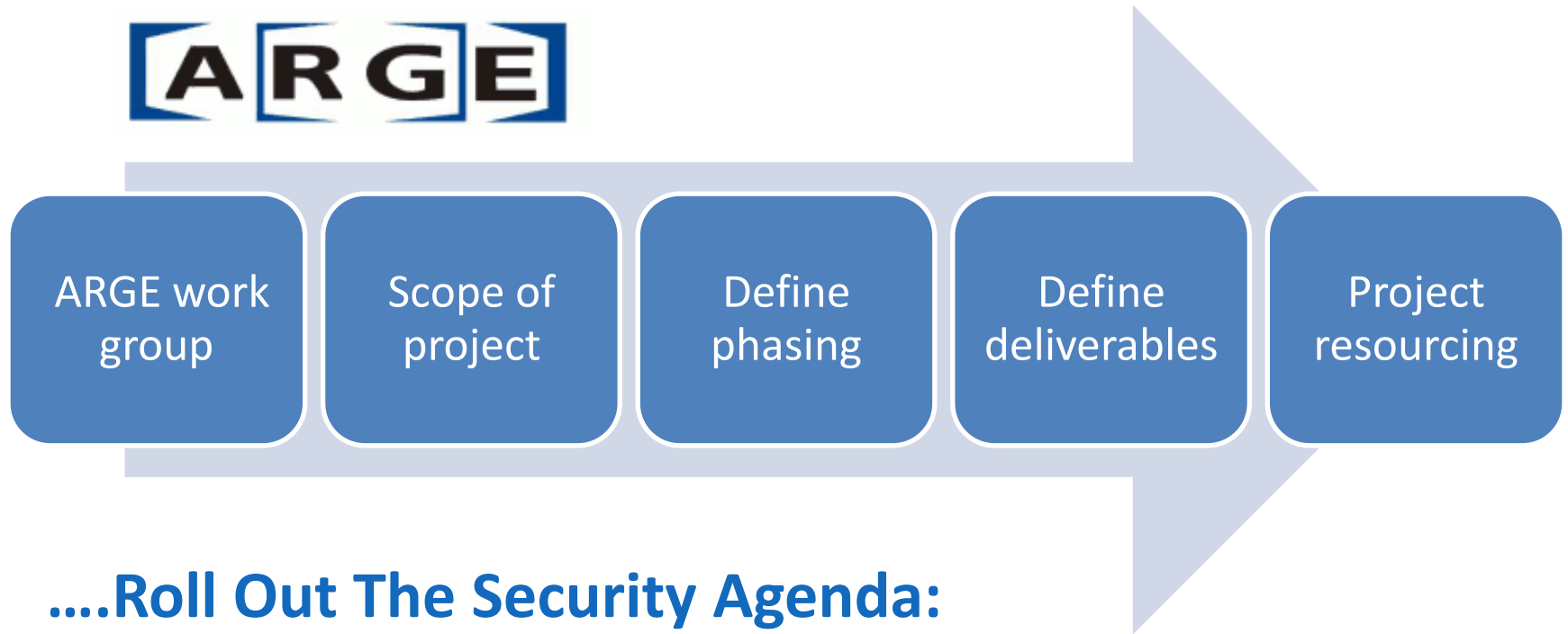
- We need to consider the following system elements:
  - Mechanical performance
  - Electrical performance (wired)
  - Data performance
  - Data communication performance, wired, wireless or cloud transfer
  - Installation, deployment
- These elements treated in isolation currently
- We would create a system standard – embracing all key components



## Focus for ARGE



## Project Approach.....



## ....Roll Out The Security Agenda:

