

The service and workshop view of a CO₂ Air Conditioning System

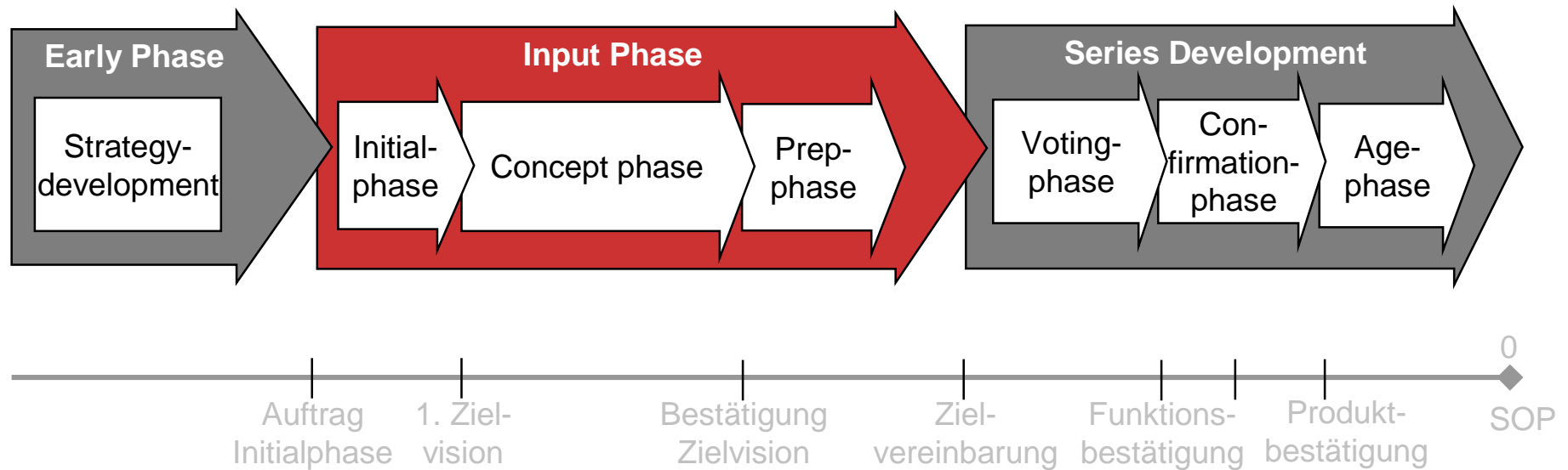
BMW Group



Agenda

- **Product development process**
- **Requirements**
- **Service scope**
- **Service topics**
- **Transformation**

The service view of a CO₂ AC-System Product development process



The service view of a CO₂ AC-System

Requirements

Generally

- diagnostic/ re-programming / coding
- Valves / service-access
 - Maintenance
 - Mix-up
 - Protective cap
 - Workshop equipment

System

- lifetime design
- leakage rate 1g/a

The service view of a CO₂ AC-System

Service scope

Re-fitting

- trend decreasing

Repair

- accident
- maintenance
- filling

Fault

- leakage test
- fault diagnostics
- filling

The service view of a CO₂ AC-System

Service topics

Process within the workshop

- filling
- evacuation

Safety within the workshop

- Climate working environment
- evacuation

Leakage

- **Methods**
 - **Trend to Fluorescent Leak Detection**
- Device

The service view of a CO₂ AC-System Transformation

Coordination

- OEM comprehensive
- unitised handling worldwide

VDA- working party

- Development
- Service (AUDI, DC and BMW)
 - monthly meeting

The objective is

- creation of binding agreement
- nationale or internationale standards

Thank you for your attention.