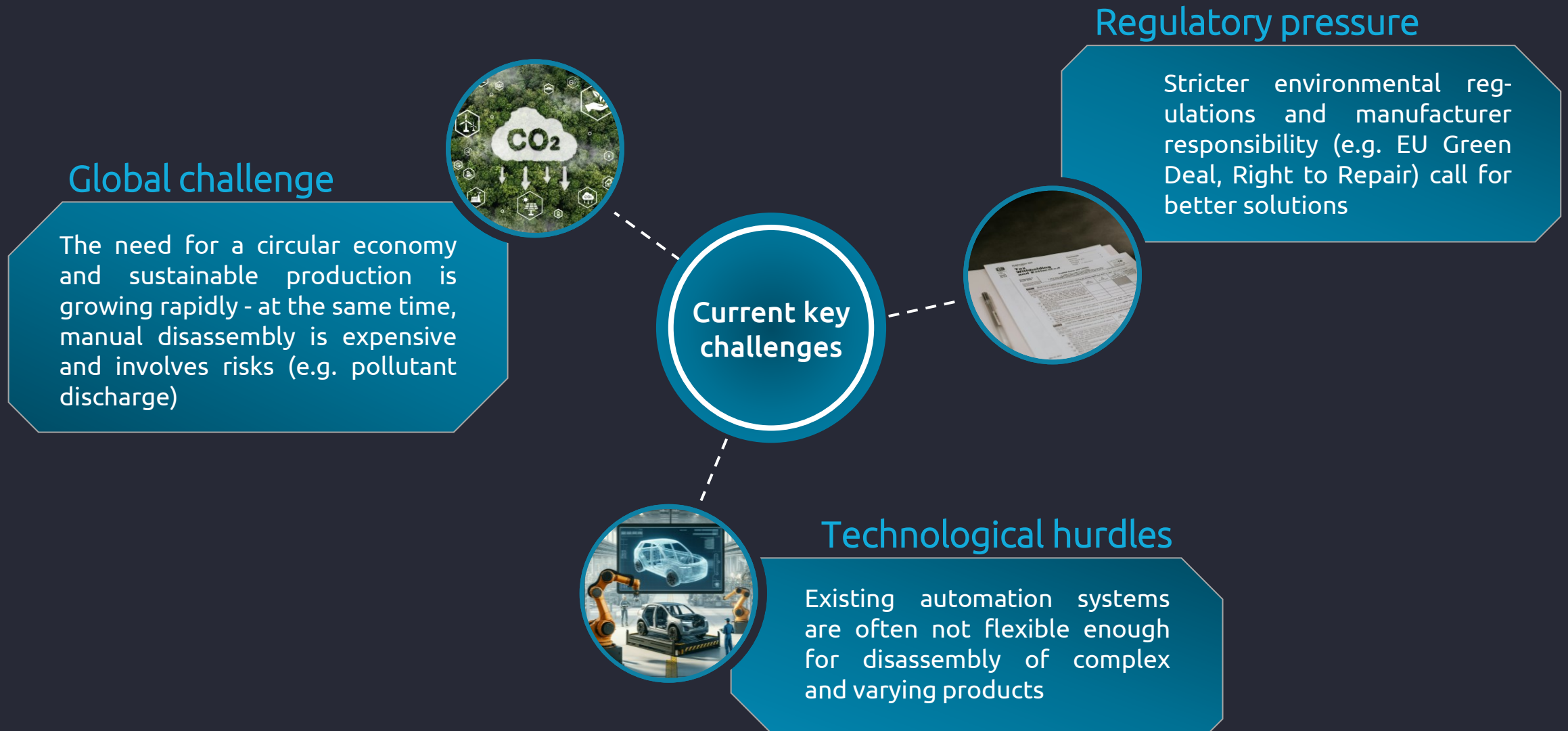




Smart Disassembly for a Sustainable Future: Insights from APRA's Working Group “Automation in Disassembly”

Why Automation? – Key Drivers and Challenges



The industry urgently needs scalable, intelligent and cost-efficient automation solutions for disassembly – and this is precisely where **our Working Group** comes in!

Goals & Approach of the Working Group

Our Goals:



Promote interdisciplinary collaboration between industry and research



Drive the development of next-generation automation for disassembly



Enable efficient, safe, and economically viable disassembly processes

Goals & Approach of the Working Group

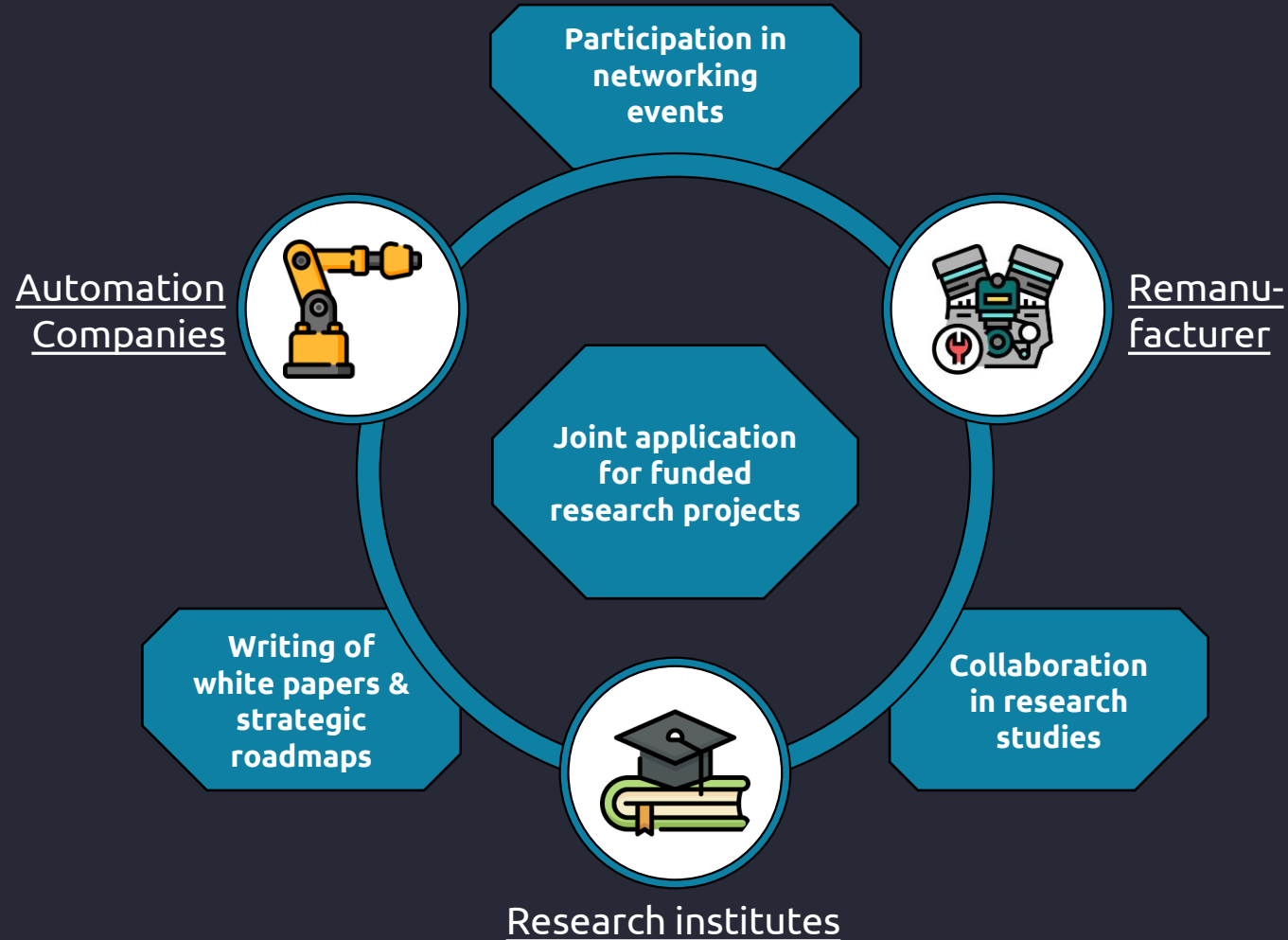
Our Goals:

- Promote interdisciplinary collaboration between industry and research
- Drive the development of next-generation automation for disassembly
- Enable efficient, safe, and economically viable disassembly processes

Our Approach:

- **AI & computer vision:**
Intelligent recognition and classification of components
- **Innovative disassembly concepts:**
Using robotic and semi-automated systems
- **Modular & flexible solutions:**
Adaptive gripping and robotic technologies to handle various product types
- **Cross-industry cooperation:**
with industry leaders, researchers, and technology providers

Structure & Activities of the Working Group



Partners & Participants of the Working Group

Organization



Remanufacturing



Research



Automation



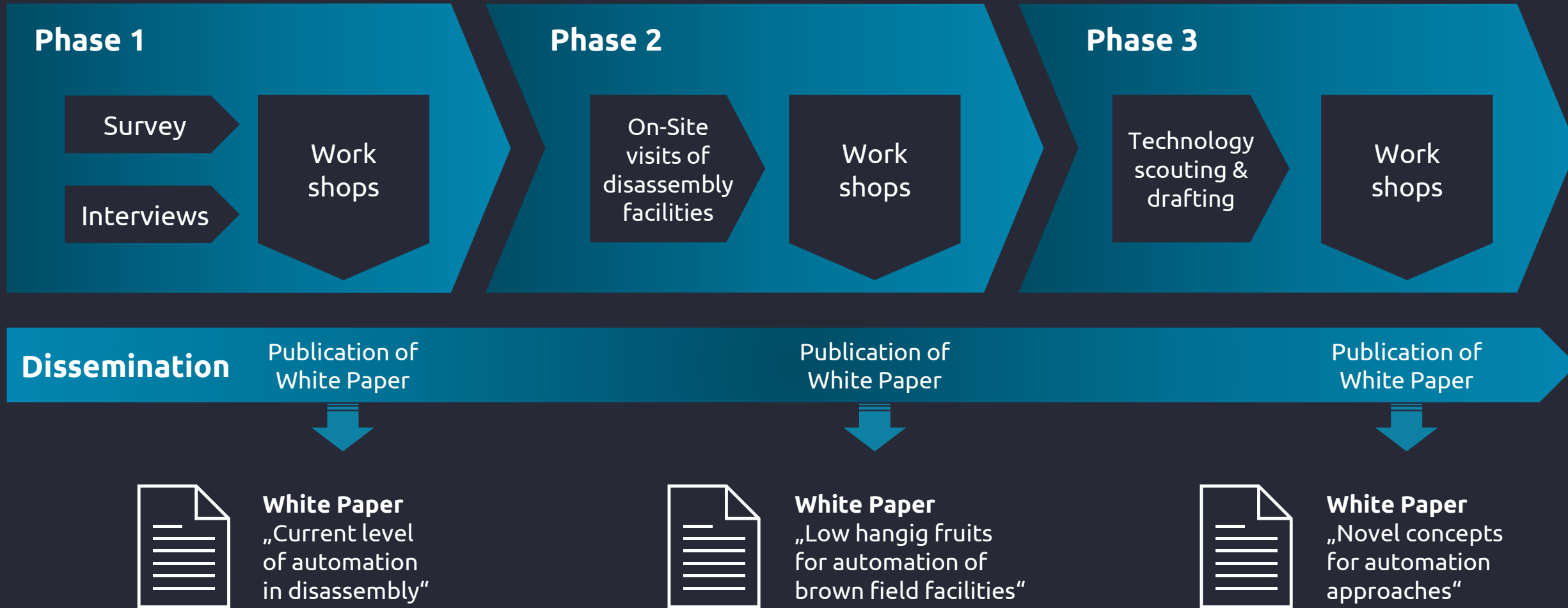
Strategic Approach of the Working Group



Strategic Approach of the Working Group



Strategic Approach of the Working Group



Join us! – Together we can make a Change



Scan to take part

Join us! – Together we can make a Change

“If you are dealing with the challenges of disassembly or have innovative technologies for this area - let's work together!”



Scan to take part

- Join our Working Group and connect with like-minded experts
- **Take our survey** – contribute your perspective and help optimize remanufacturing
- Support our initiative by participating in expert interviews

Thank you for your Attention!



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Scan to take part