

Energieautark in die Zukunft mit „Asset-as-a-Service“- Finanzierung

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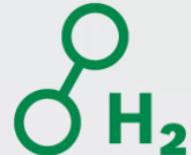
Referent



Gastgeber



Energy-efficient. Decentralized. H₂-ready. With fuel cell power systems by Bosch



Solid Oxide Fuel Cell as a Service

An innovative financing solution for
the future energy transition

Wayne-Daniel Kern

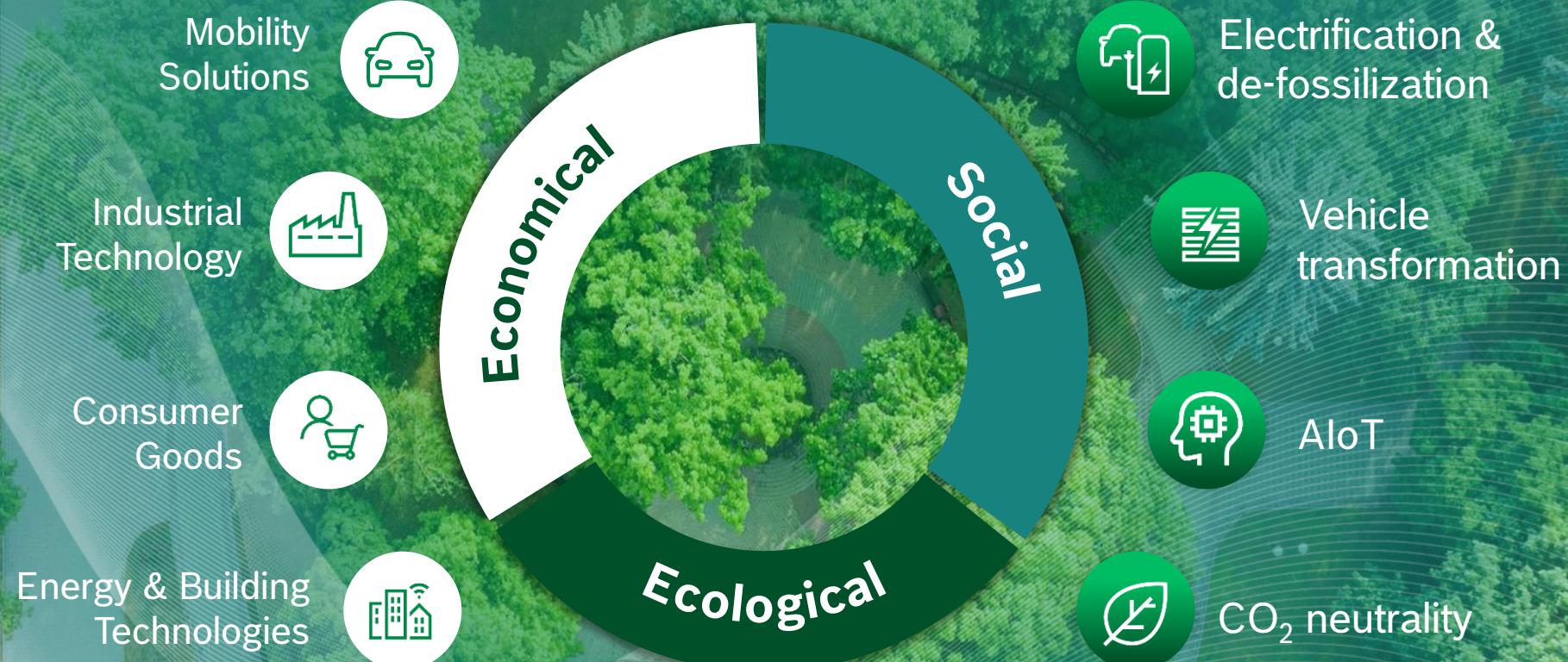
Vice President Commercial Responsibility
Solid Oxide Fuel Cell program at Robert Bosch GmbH

ESG Panel Discussion, Green FINANCE



www.bosch-sofc.com

Bosch industry segments & strategic focal areas



Bosch and the hydrogen economy



PRODUCTION

STORAGE & DISTRIBUTION

USAGE

PEMEL = Polymer electrolyte membrane electrolysis; ELY Services: Electrolysis services

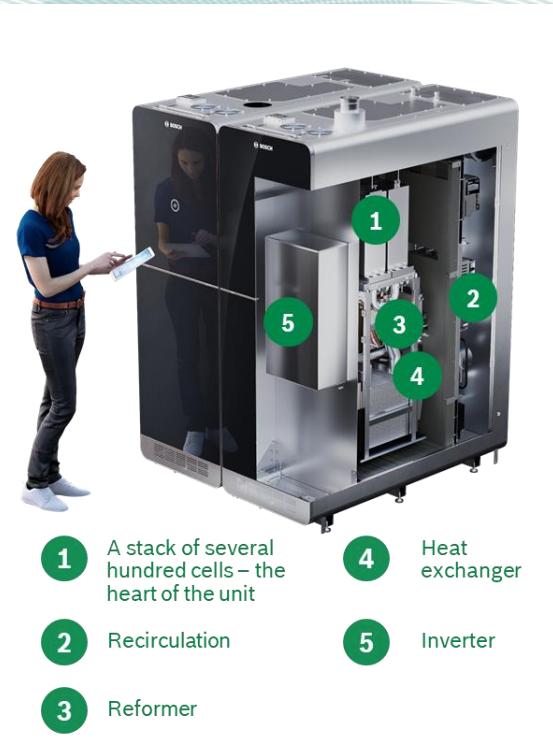
OGS = Optical Gas Spectrometer; SOFC = Solid oxide fuel cell; PEMFC = Polymer electrolyte membrane fuel cell



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Inside the SOFC unit



Technical KPIs

Nominal power(AC)	kW _{el}	10
Thermische Leistung	kW _{th}	>3
Electrical efficiency (AC)	%	>60
Overall efficiency	%	> 85

**Beginning of Life*

The Bosch SOFC system is currently in the pilot phase. All technical specifications given in this informational document are development objectives.

Benefits

- Scalable**
up to several MWel
- Future-proof**
CO₂ reduction & H₂ ready
- Security of supply**
independent & decentral
- Profitabel & resilient**
- Nearly emission-free**
close to zero nitrogen oxides and particulates
- Very low noise & no vibrations**

Use cases & pilot projects



Buildings & Urban quarters



Data centers



Industry



Wide range of applications



PASM*, Berlin



Salzgitter

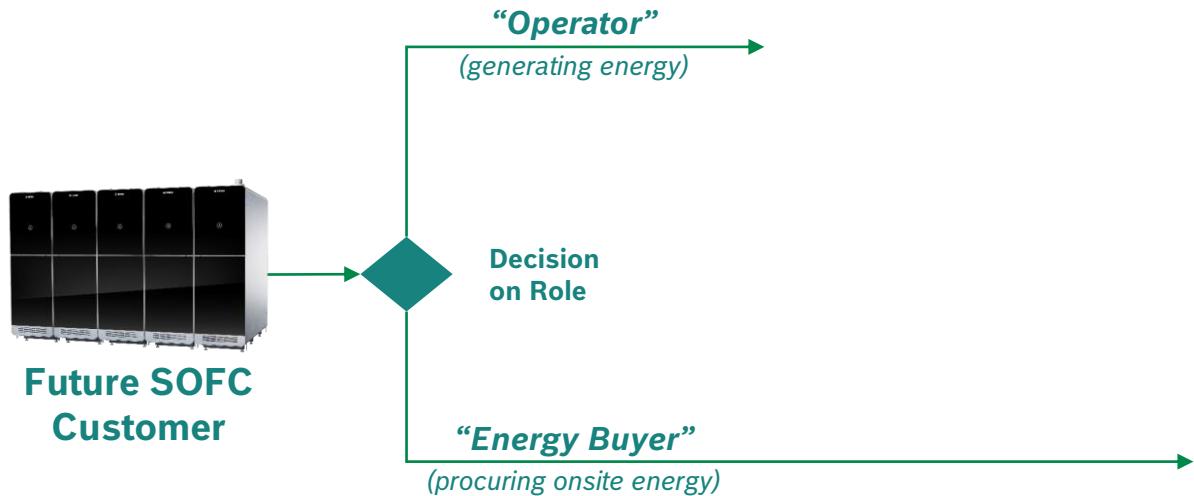


Wernau

*Power and Air Condition Solution Management GmbH (PASM), a Deutsche Telekom subsidiary

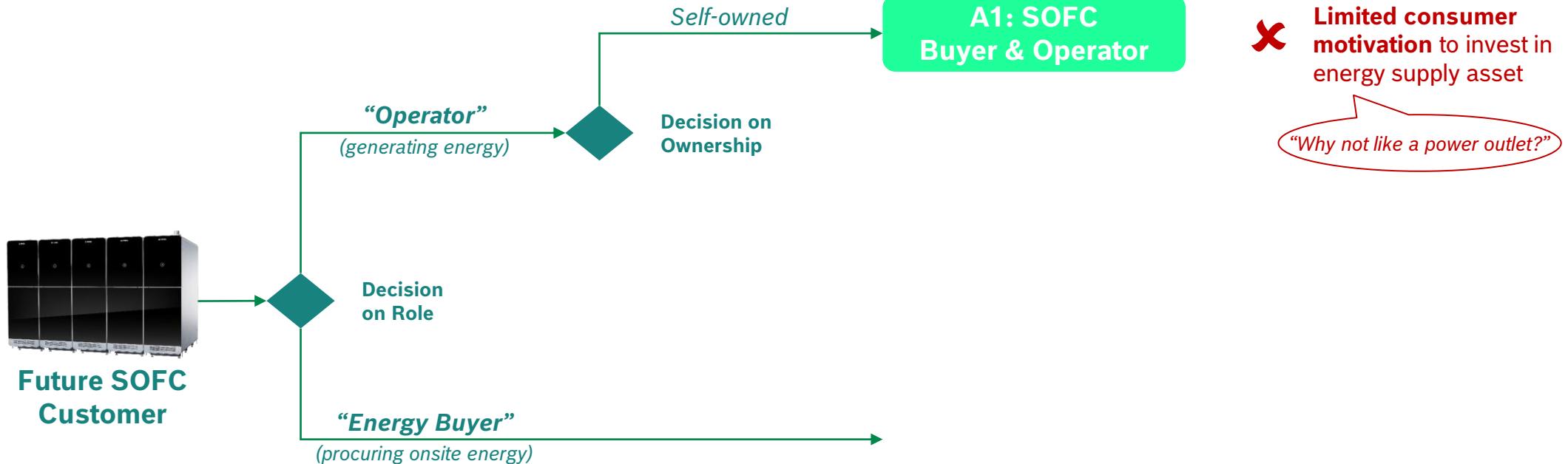
Energy consumer motivation for SOFC as a Service

Why investing CAPEX in on-site power generation when there is a power outlet with a proven pay-per-use model?



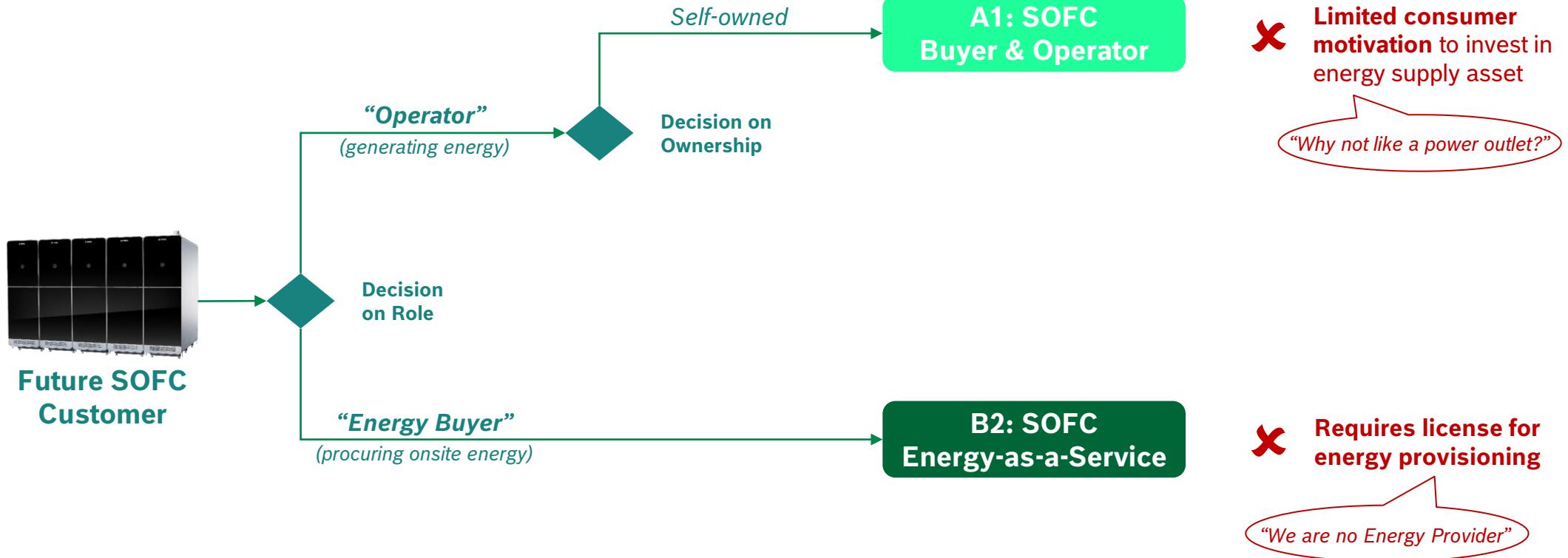
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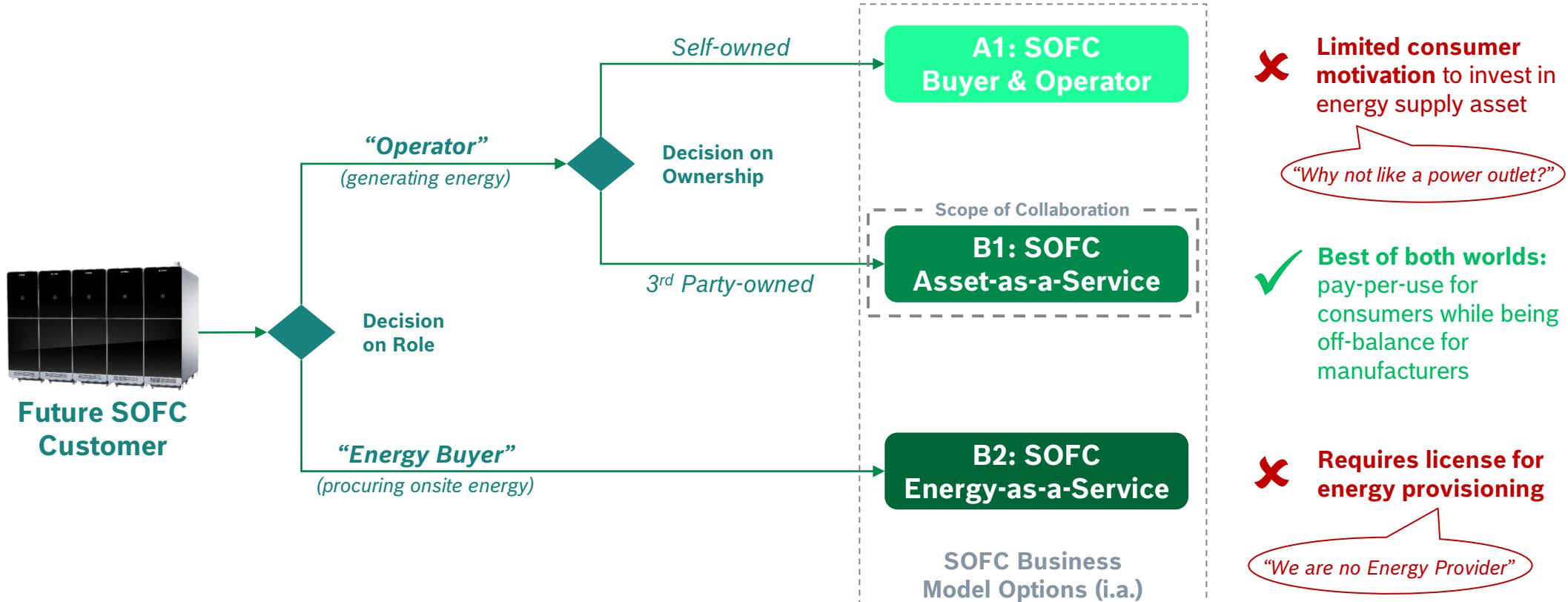
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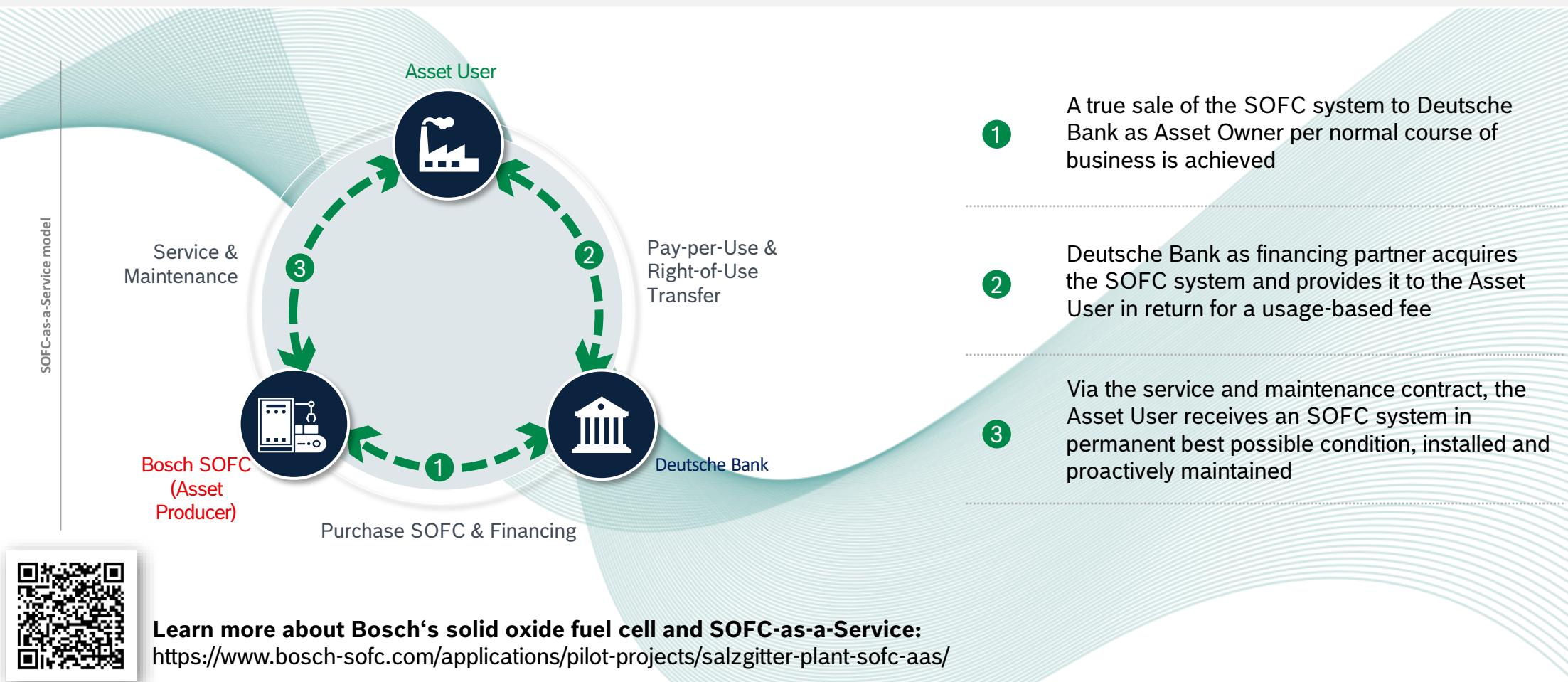
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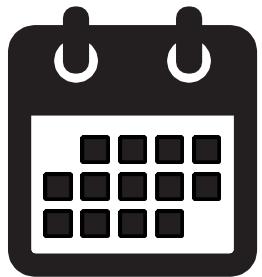
SOFC-as-a-Service | A joint offering. Connecting the finance.

Deutsche Bank & Bosch jointly enable energy transformation with pay-per-use financing





**Ihr Feedback zu diesem Roundtable ist uns wichtig!
Geben Sie Ihre Bewertung direkt über
die virtuelle Plattform ein.**



15.30 Uhr

Abschlussdiskussion