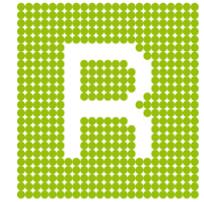
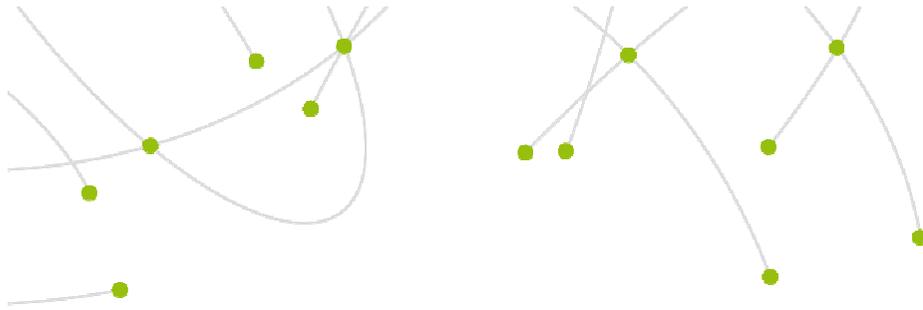


Energiewirtschaft im Umbruch

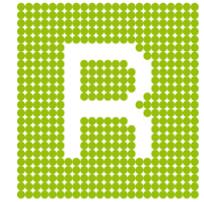
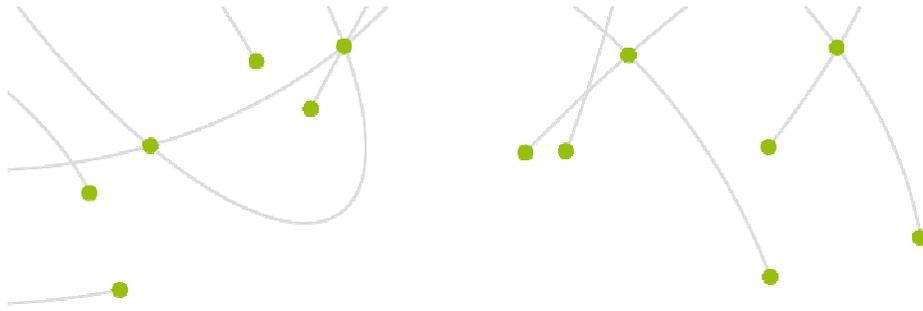
AUSGEWÄHLTE ASPEKTE EINES SICH VERÄNDERNDEN ENERGIEVERSORGUNGSSYSTEMS



REUTTE
HOLDING AG

*„Wenn der Wind der Veränderung weht,
bauen die einen Mauern
und die anderen Windmühlen.“*

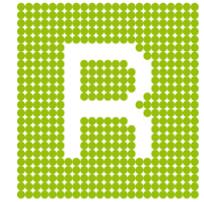
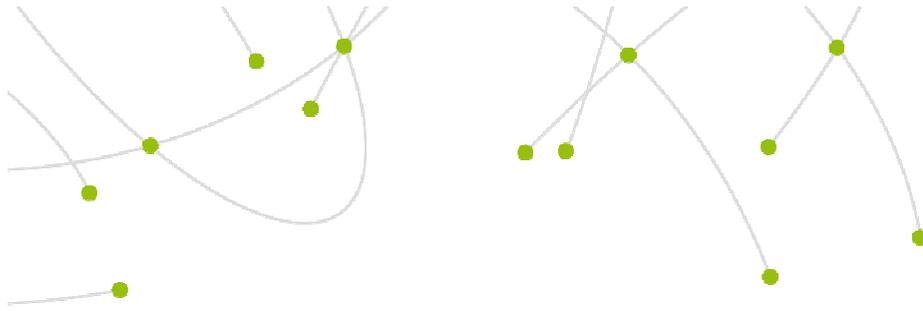
Chinesisches Sprichwort



REUTTE
HOLDING AG

Agenda

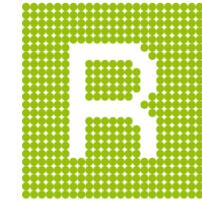
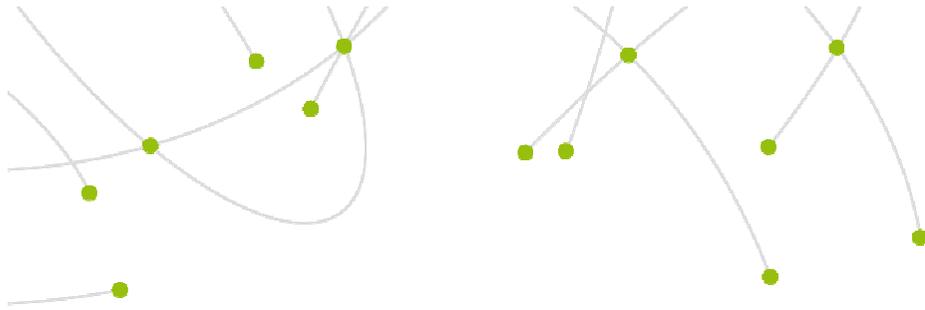
- 1 - Entwicklung Strombereitstellung
- 2 - Vom Monopol zur EDL
- 3 - Zukunftsausblick



REUTTE
HOLDING AG

Agenda

- 1 - Entwicklung Strombereitstellung
- 2 - Vom Monopol zur EDL
- 3 - Zukunftsausblick



REUTTE
HOLDING AG

Entwicklung Österreich

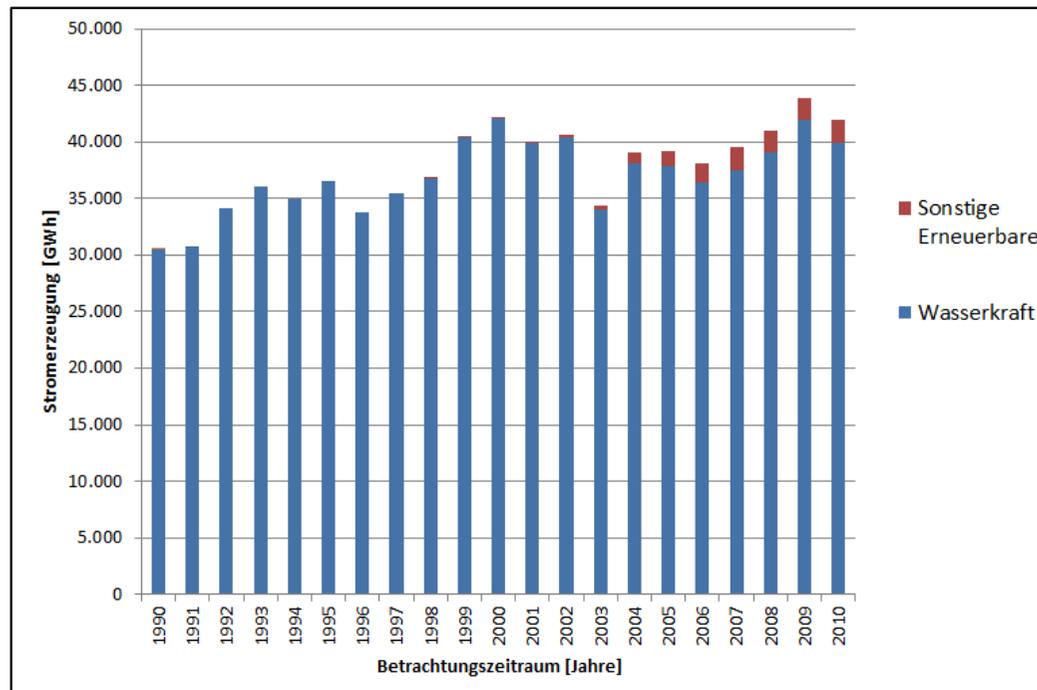
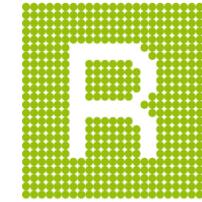
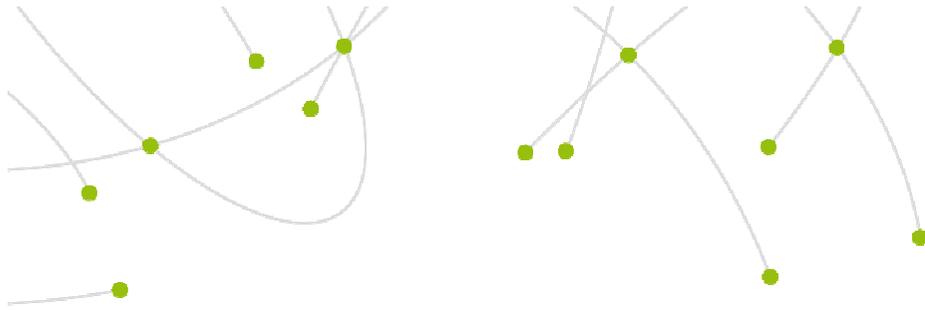


Abbildung 1: Entwicklung der Strombereitstellung aus erneuerbaren Energiequellen in Österreich nach Jahren (eigene Darstellung, Daten von www.e-control.at [27.01.2014])



REUTTE
HOLDING AG

Entwicklung Deutschland

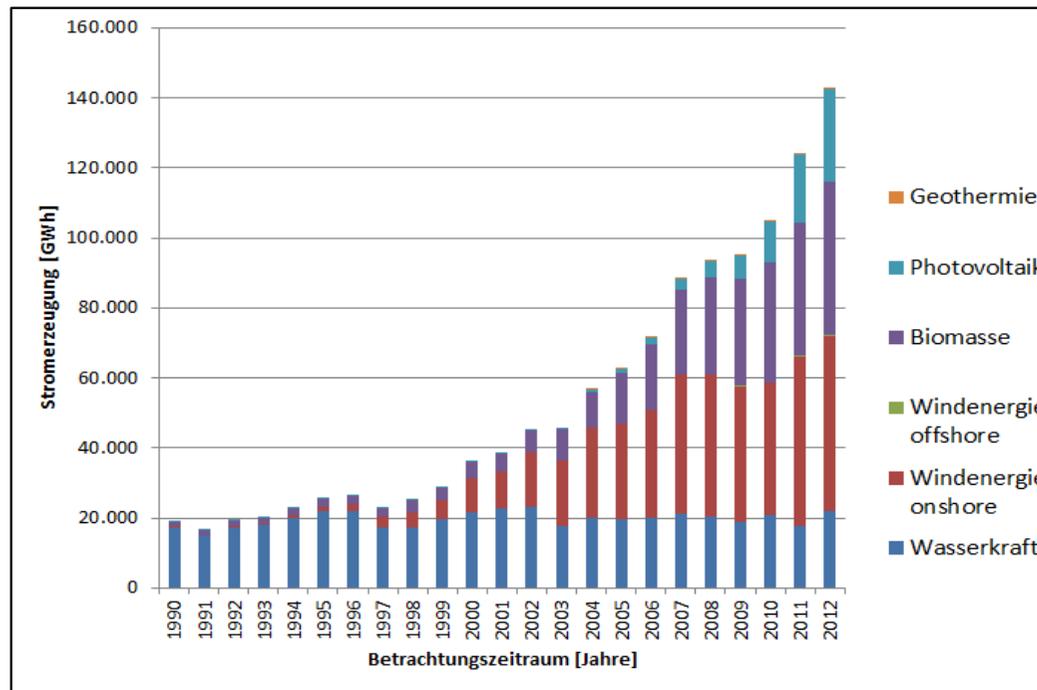
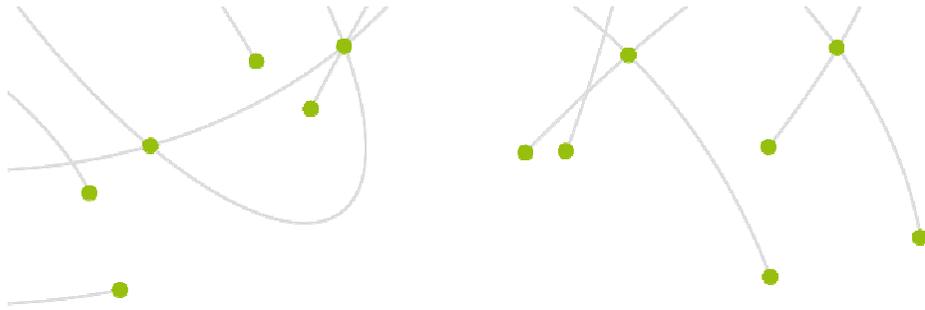
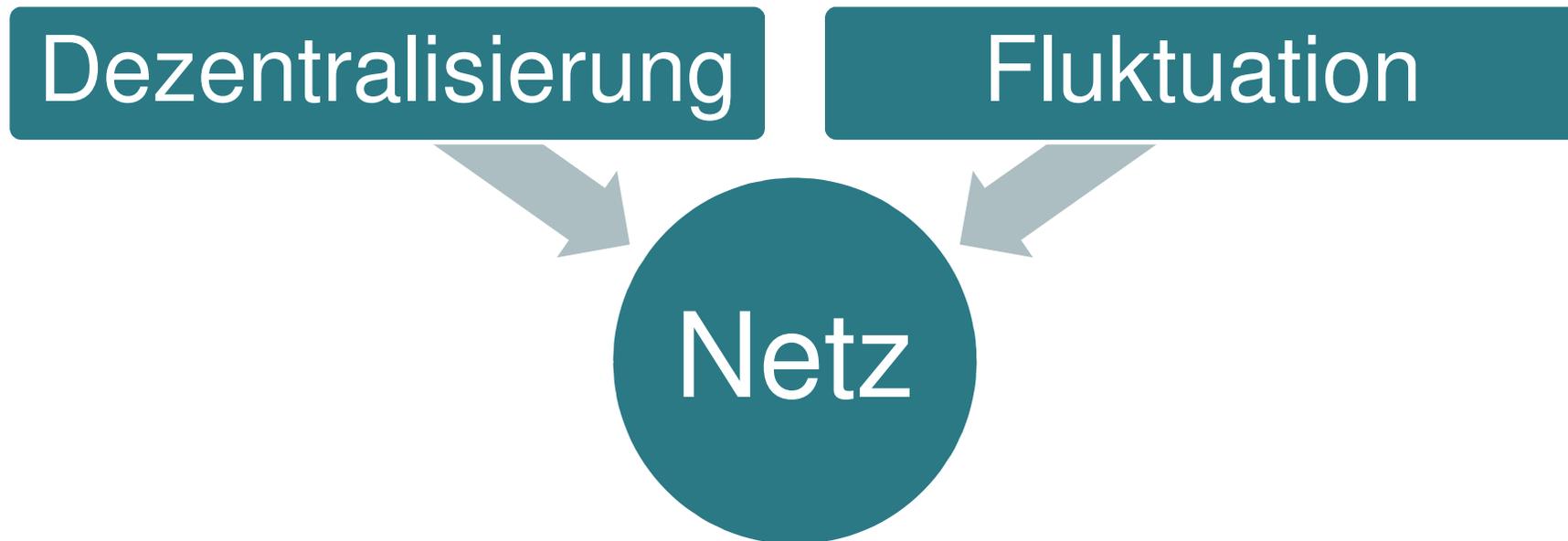
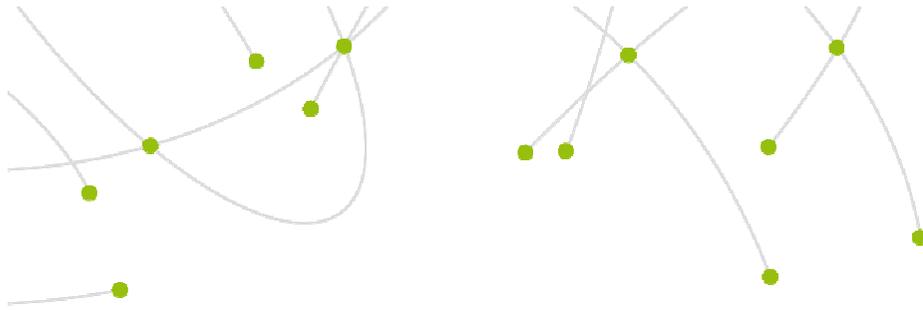


Abbildung 2: Entwicklung der Strombereitstellung aus erneuerbaren Energiequellen in Deutschland nach Jahren (eigene Darstellung, Daten aus BMU, Erneuerbare Energien in Zahlen, 2013, S. 18)

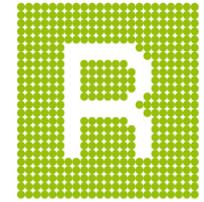


Auswirkungen Energiewende





Smart Grid



REUTTE
HOLDING AG

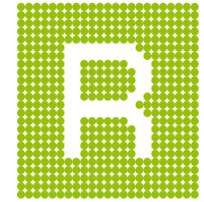
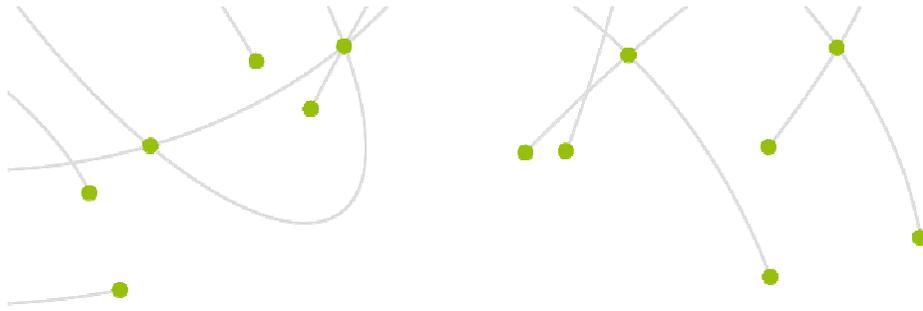
konv. Netz

Smart Grid

IT-Komponenten, Kommunikationstechnik, Messtechnik, Steuerungstechnik,
Regelungstechnik, Automatisierungstechnik

- Netzzustände in Echtzeit
- vorhandene Kapazitäten optimal nutzen

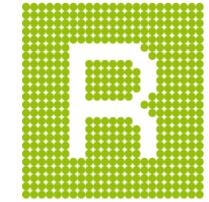
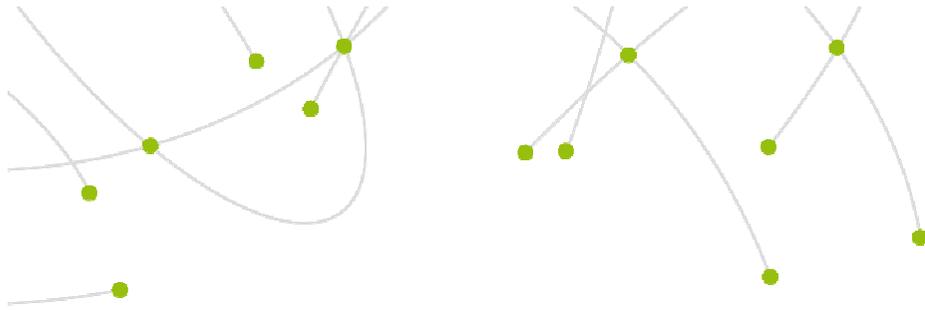
Kapazitäten



REUTTE
HOLDING AG

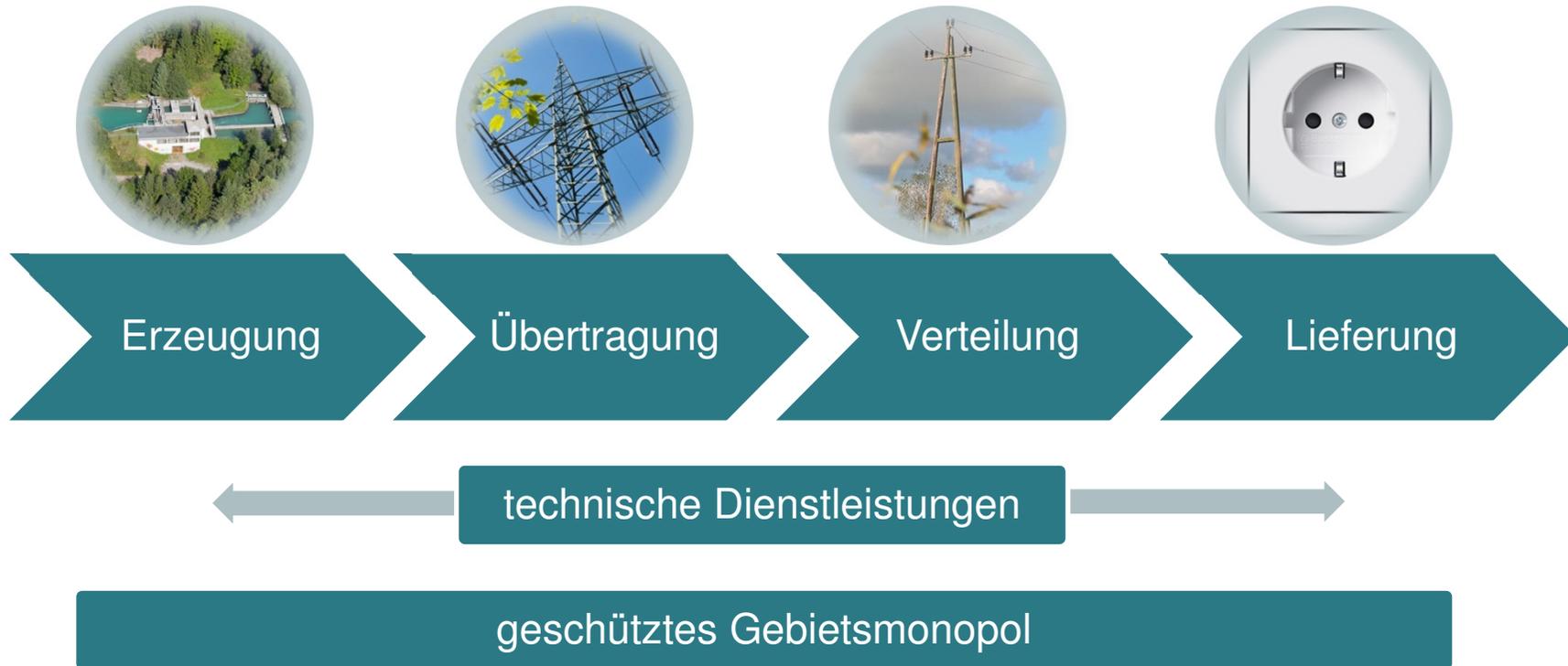
Agenda

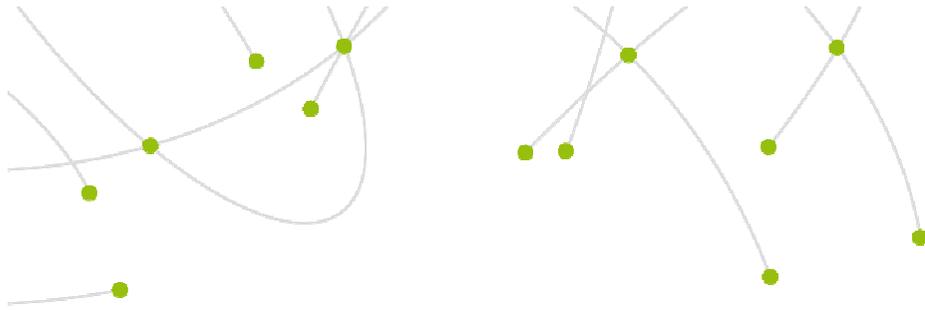
- 1 - Entwicklung Strombereitstellung
- 2 - Vom Monopol zur EDL
- 3 - Zukunftsausblick



REUTTE
HOLDING AG

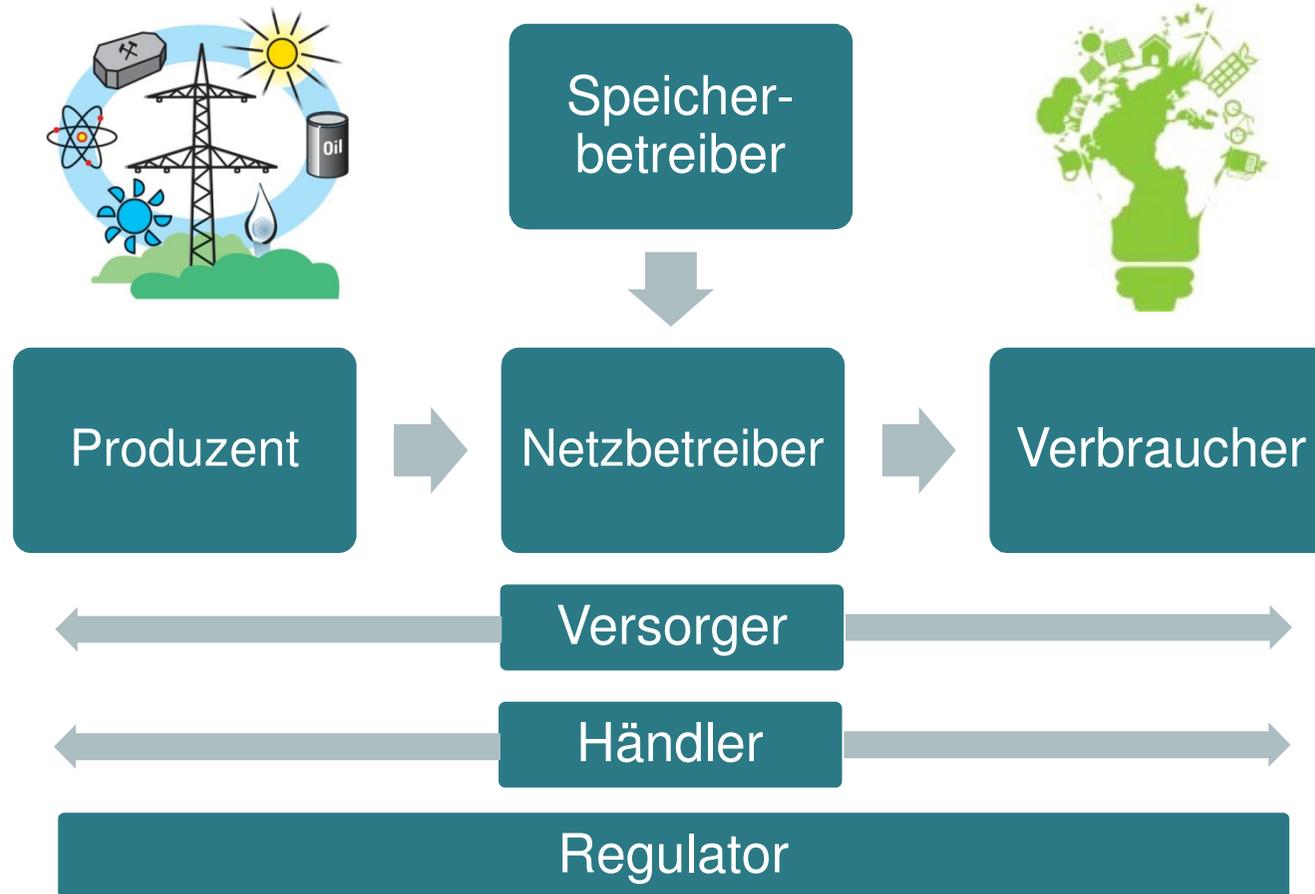
Klassische Wertschöpfungskette

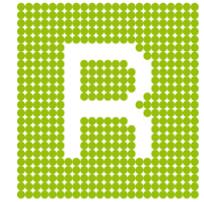
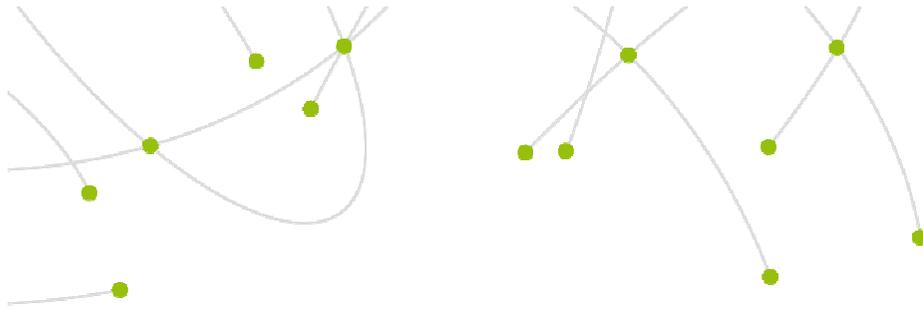




REUTTE
HOLDING AG

Rollenverteilung Neu

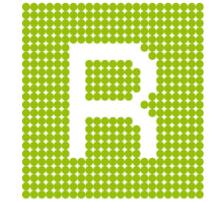
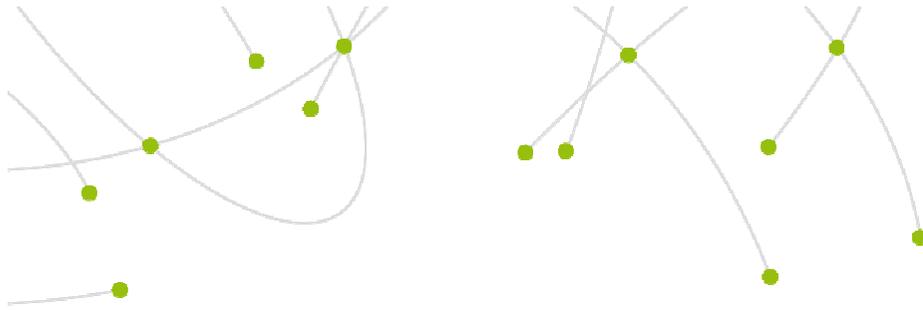




REUTTE
HOLDING AG

Agenda

- 1 - Entwicklung Strombereitstellung
- 2 - Vom Monopol zur EDL
- 3 - Zukunftsausblick



REUTTE
HOLDING AG

Zukunftsausblick



(Dezentrale) Erzeugung

- Wasserkraft
- Photovoltaik
- Brennstoffzelle
- Biomasse



(Dezentrale) Speicherung

- Pumpspeicher
- Batterie
- Power to Gas



Intelligente Vernetzung

- Smart Meter
- Smart Home
- Smart Grid
- Smart Market



Energie- effizienz

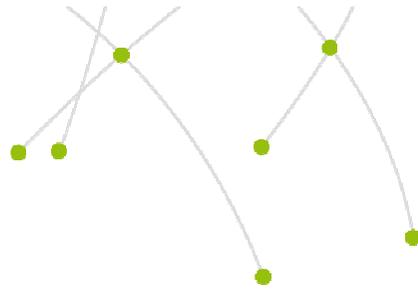
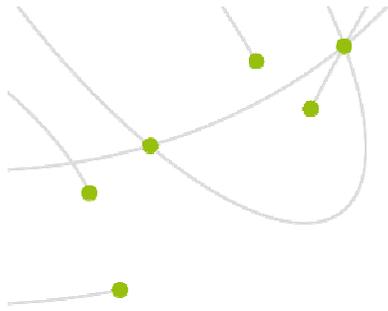
- Wärmepumpen
- Elektrogeräte
- Elektromobilität
- Contracting



Prosumer

- Interesse
- Generation Öko





REUTTE
HOLDING AG

