

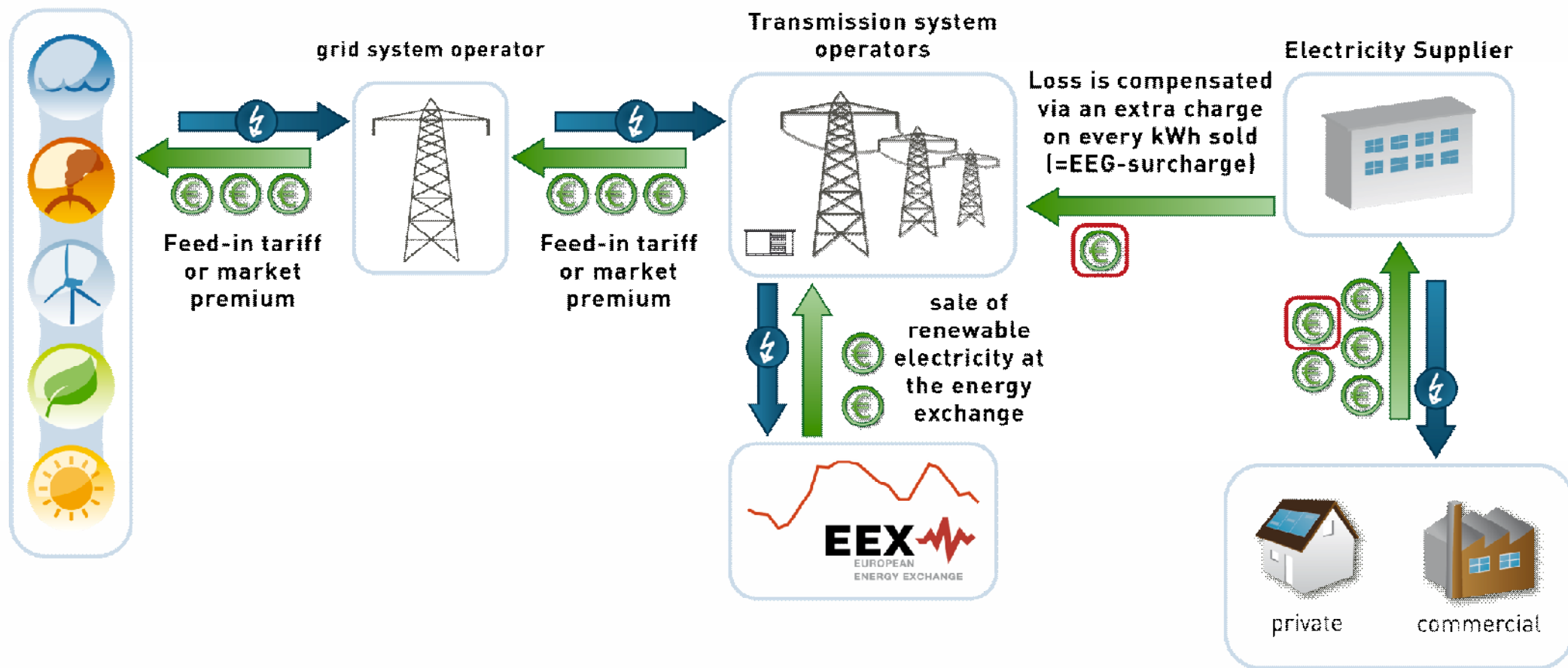
Cost to consumers

IRENA Workshop on Social Acceptance of Renewable Energy

Abu Dhabi, October 8th, 2013

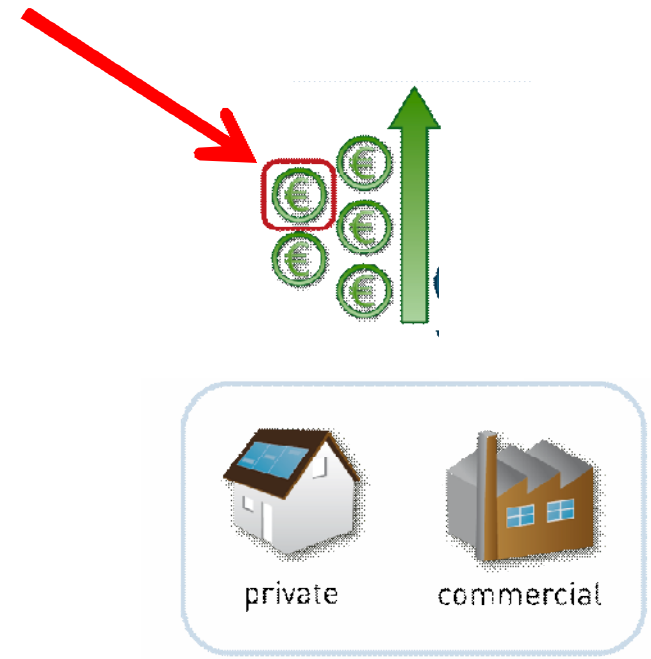
Jörg Mühlenhoff, German Renewable Energies Agency

Cost distribution within the German FIT



Cost distribution within the German FIT

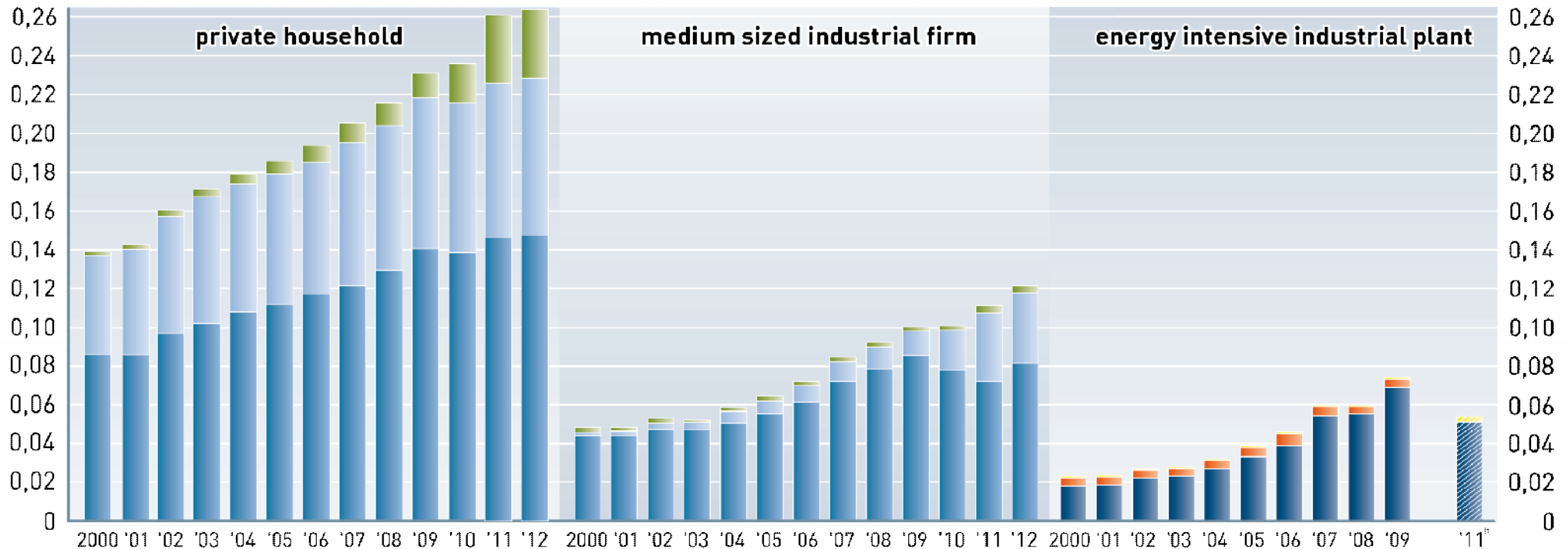
How much surcharge for RE?



Paradox: While RE are getting cheaper, the RE surcharge is rising.

Electricity prices in Germany

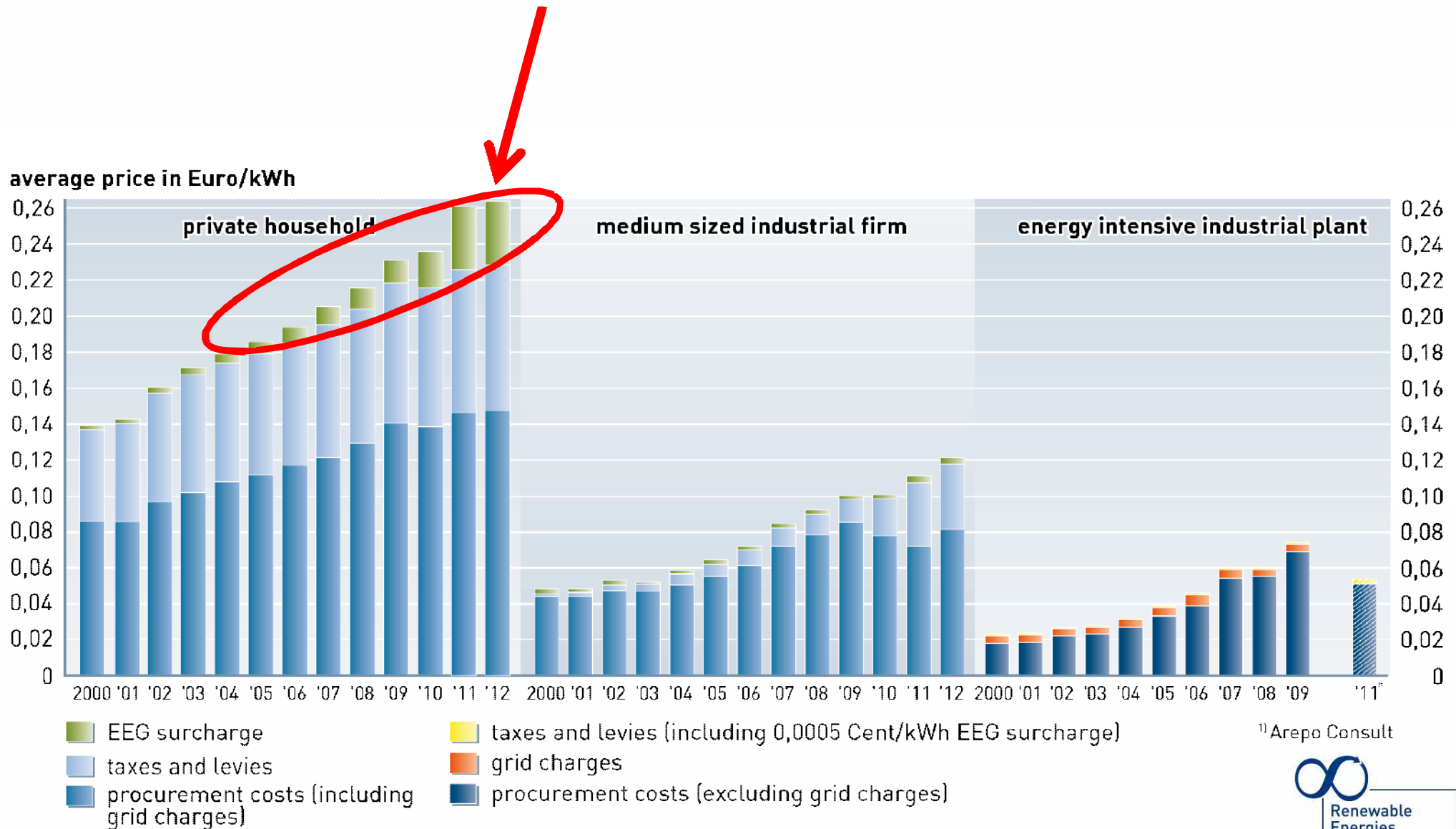
average price in Euro/kWh



- EEG surcharge
- taxes and levies (including 0,0005 Cent/kWh EEG surcharge)
- taxes and levies
- grid charges
- procurement costs (including grid charges)
- procurement costs (excluding grid charges)

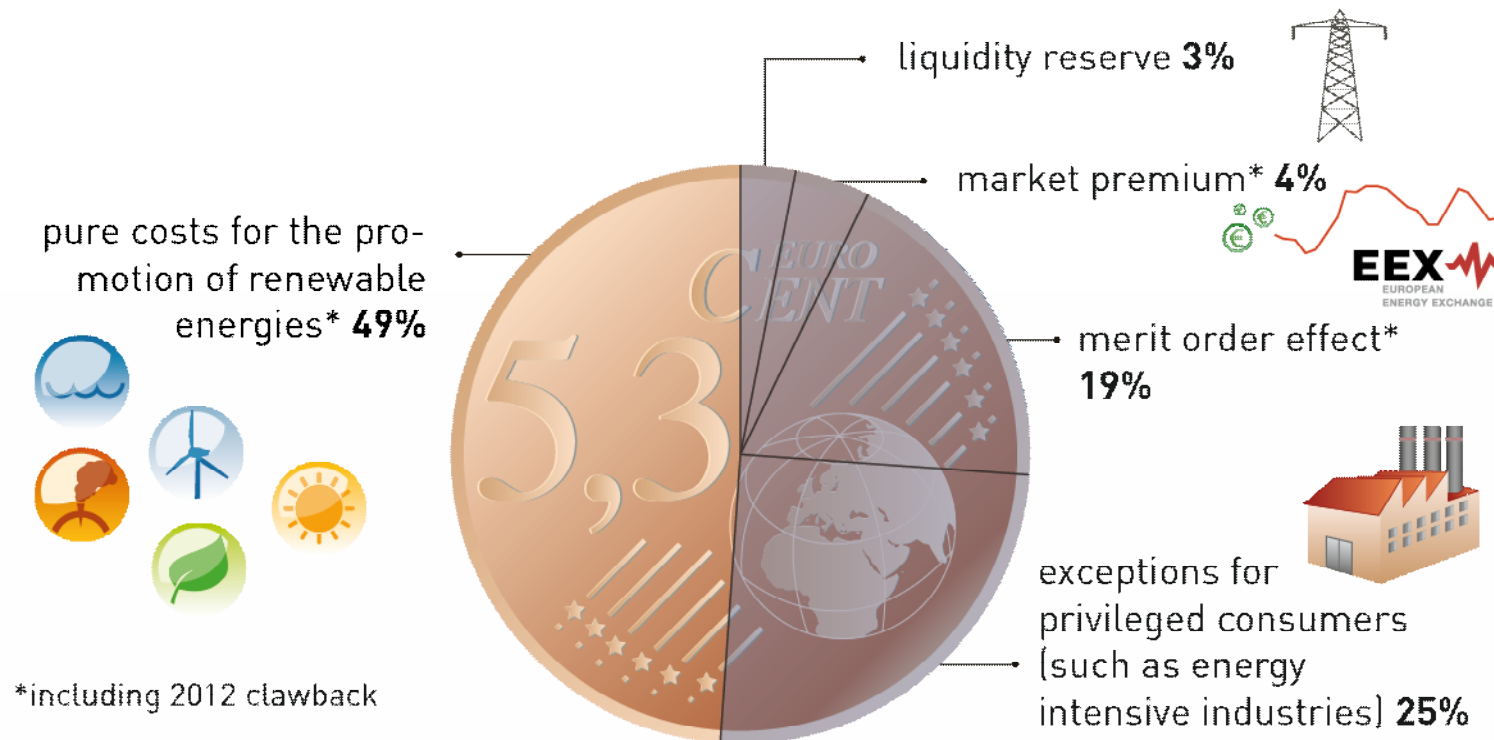
¹⁾ Arepo Consult

Paradox: While RE are getting cheaper, the RE surcharge is rising.



Why the surcharge reached 5,3 ct/kWh

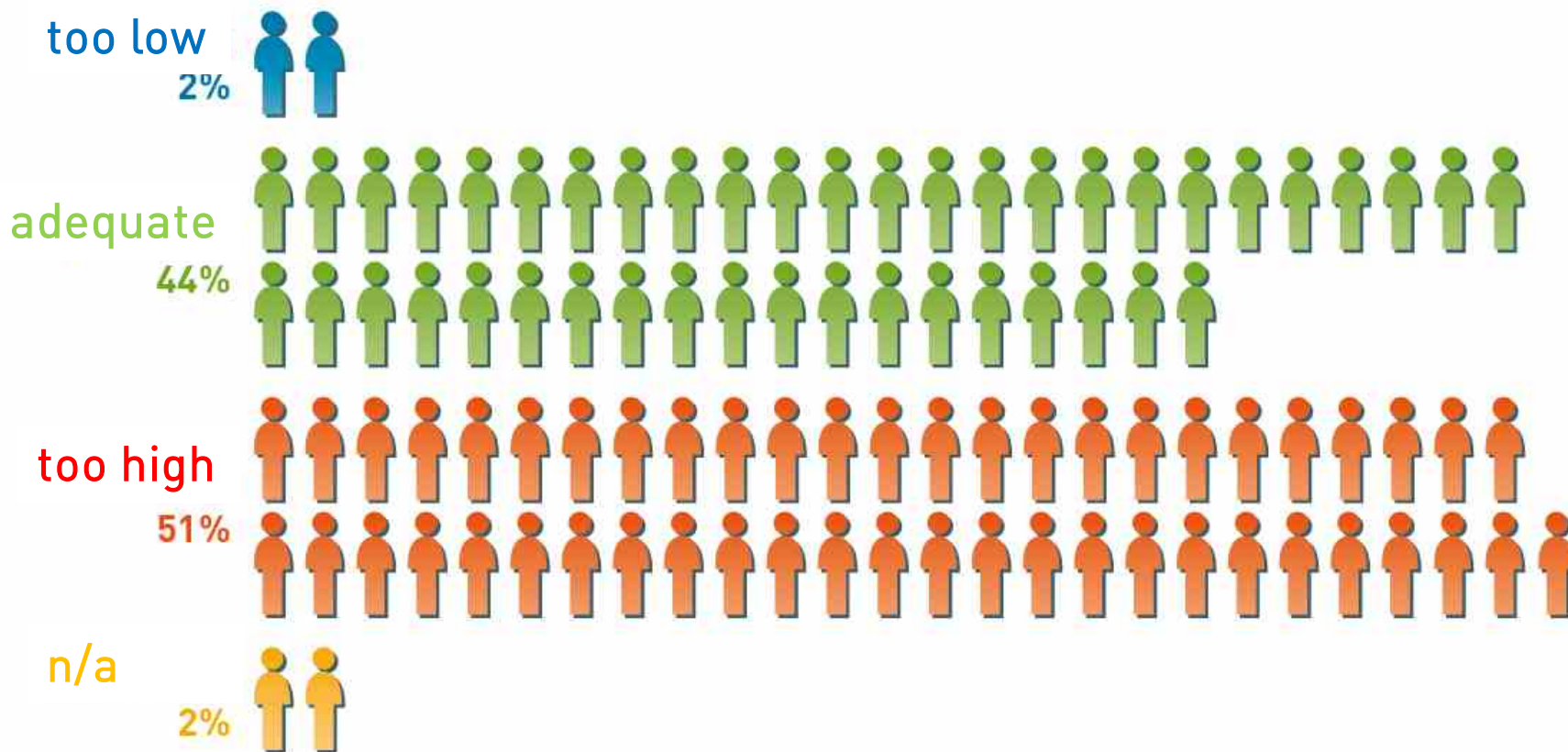
- The energy intensive industry pays no surcharge.
 - Other consumers have to pay more.
- Merit order effect: RE extremely lower EEX prices.
 - The differential cost to be covered by consumers rises, but consumers don't profit from lower EEX prices.



Consequences for social acceptance

- RE are blamed for high energy costs in Germany in general
- People are willing to pay for RE, but feel deceived

Survey: If the RE surcharge reaches 5,3 ct/kWh, the amount is...



Consequences for social acceptance

- Macro-economic benefits of RE are evident:
 - New markets for German industry
 - Reducing costs of fossil fuel imports
 - Reducing external costs of fossil fuels

But what about social acceptance,
if private households do not benefit individually?

Thank you for your attention!

www.renewables-in-germany.com

Contact

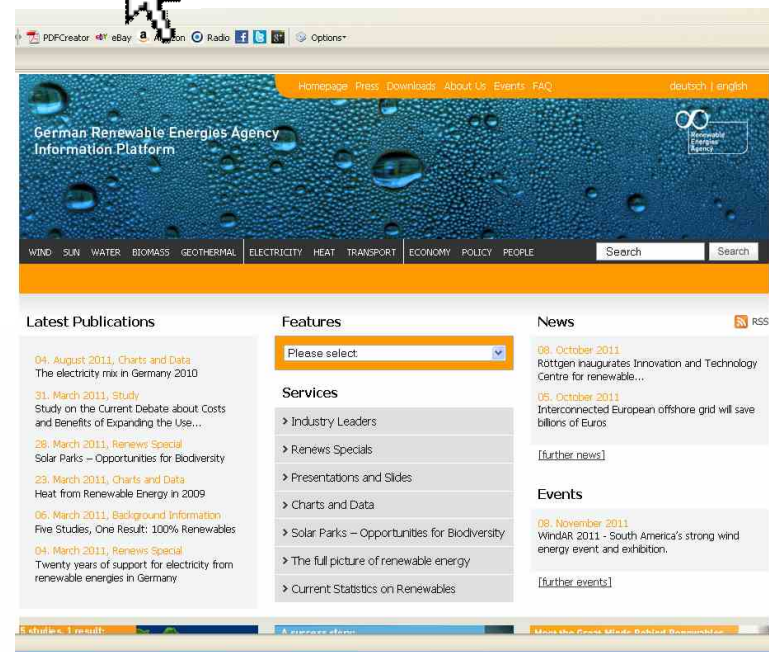
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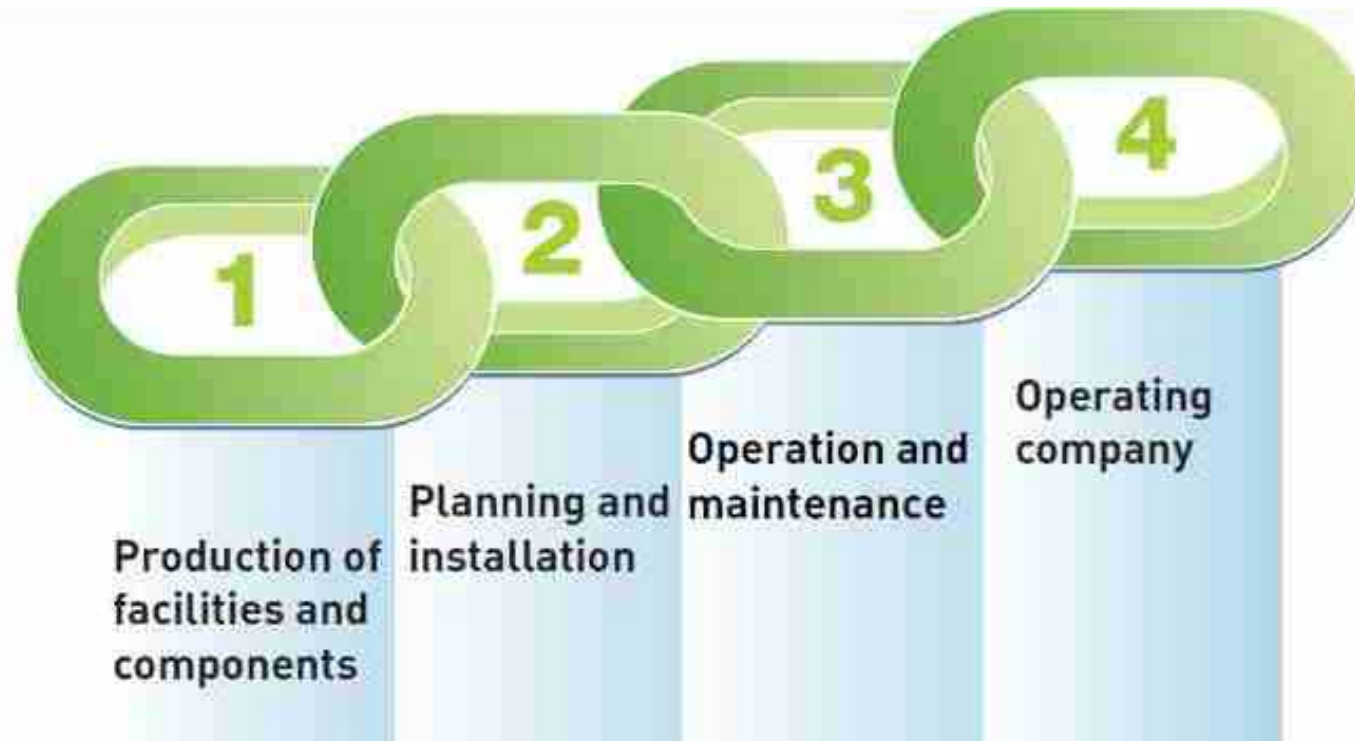
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Backup

Local value Creation through RE



more than
16 billion Euro / year