Location: Madrid



Blockchain in the energy sector

- Is blockchain a solution to a problem? If yes, which problem(S)?
- Or is it a solution looking for a problem, but yet to find it?

Not clear to me....

So what to do?

ECOHZ



- Systems should be technology agnostic may the best win
- Tracking origin works well today GO, REC, I-REC
 - Secure, cost-effective, information-rich, allows for consumer choice, trustworthy,
- BUT, still some issues with today's systems/standards
 - Users experience complexity in use and rules
 - Primarily country implementations discrepancies
 - Policy and regulation driven not technology
 - Lack timely and detailed issuing need time and date-stamp on each GO
- RISKS DISRUPTION
 - Blockchain-promises may create more confusion and uncertainty in a well-functioning market
 - Creating alternative and competing systems to government endorsed GOs

ECOHZ

· Challenges with Blockchain

- Capturing meter data at actual meter level, and bypassing network operators
- Is just being disruptive smart bypassing regulators and policy makers
- Is using tokens (cryptocurrencies) as payment platform sensible for users? Stable and predictable?
- Are systems really scalable? Proven for volume?
 - Global annual EACs approx 1000 TWh → 1 billion EACs
 - With blockchain wants kWh, not MWh → 1000 x 1 billion EACs yearly
- Proof-of-authority better to have some select players decide rules, than regulators/ governments?
- Independence of the «owner» of blockchain system? Really open and altruistic?

Conclusion

- Blockchain needs compelling value proposition
 - · Cheaper, simpler, more transparent, more secure, creating more value
- Need to work with EAC industry, stakeholders and governments not against

ECOHZ