Why use BFT:

* can serve up to thousands of clients with only up to 20 nodes
* BFT blockchains are per definition permissioned, requiring the sharing of identities amongst the servers

Why permissioned:

* entanglement with a physical infrastructure
* it must be possible to hold consensus servers accountable as malicious behavior could result in failures on the physical infrastructure
* clients/users in the system must be traceable by authorities so taxes on grid use can be collected and trade  
  can be verified with actual consumption and production

Why Tendermint:

* its foundation in BFT
* interconnectivity with different programming languages
* well-organised documentation
* pre-packaged test application