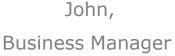






### What do you want to do...









# ...how it impacts your business?

... we can use data in business management.

... we are able to serve our clients better.



John, Business Manager



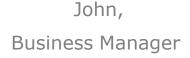


## Yes, but this is the reality





Different devices from various Manufactures using different protocols







#### This is a current solution

You are forced to rely on One Manufacturer

In few years we are totally locked in our metering device provider

Then we are forced to make future investments only on this manufacturer



John, Business Manager









## Future challenges

➤ Demand Response, Renewable energy sources...

➤ We are collecting more data...







Description	DLMS/COSEM	OSGP	IEC 62056-21
Binary	Yes	Yes	No
Manufactures support	Wide	Narrow	Wide
Manufacturer specific implementations	Yes	?	Yes
Authentication	Yes	Yes	No
Ciphering (Encryption)	Yes, Only few manufacturers support	Yes	No
Walk through	Association View	Yes	Readout in Mode A
Payload	Low	ОК	High
Learning curve	Hard	Normal	Easy
Challenges	Data concentrator support		No meter or message ID in message Limited Error handling (ERROR/OK)
Standard documents	Consists from several standards	One standard, Freely available	One standard
<b>I</b>			<b>GuruX</b>

## **Thank You**



