

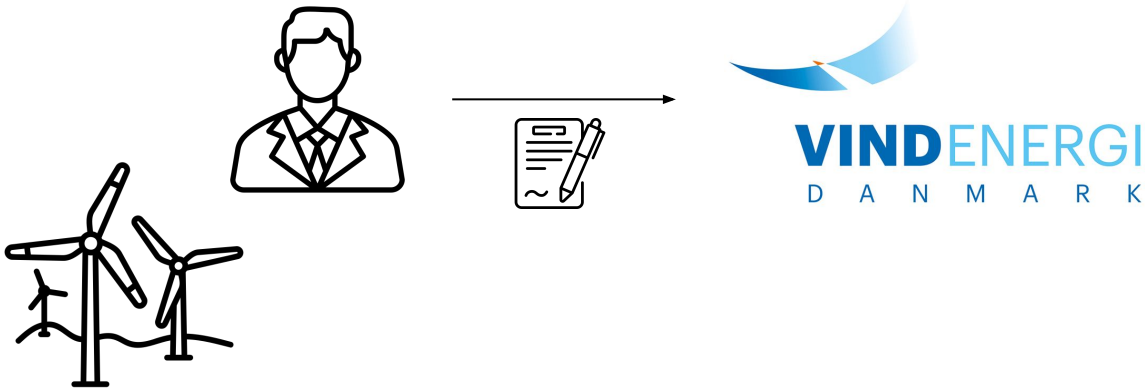
Practice of issuing and managing GO's

Joachim Ellegaard

Vindenergi Danmark - Senior Portfolio Manager

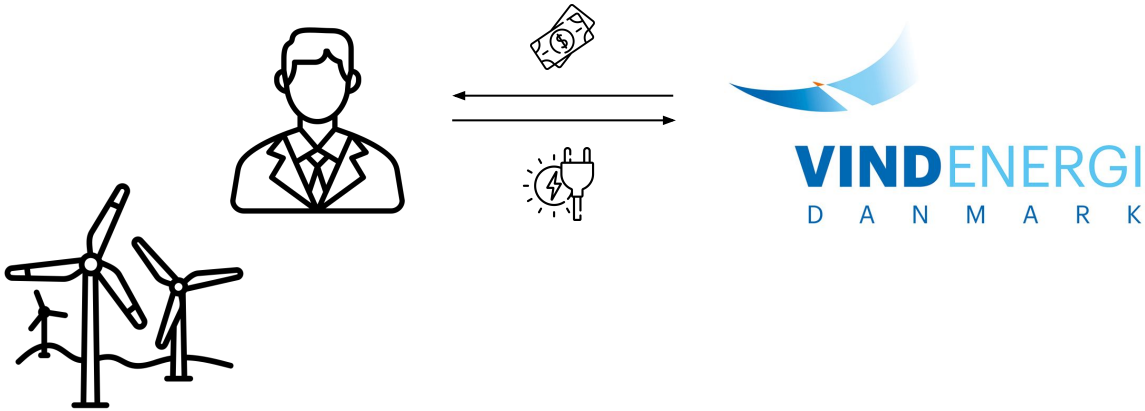
Issuing in practice:

1. Power sales agreement



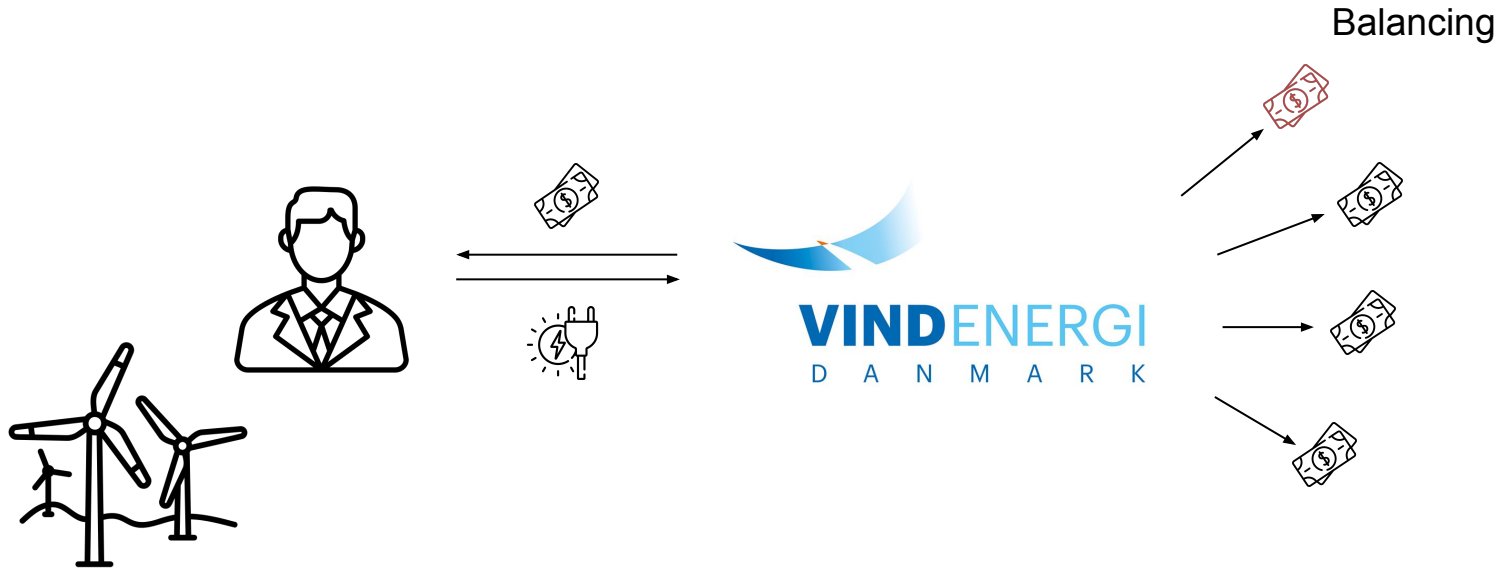
Issuing in practice:

1. Power sales agreement



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Issuing in practice:

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Issuing in practice:

1. Power sales agreement



Issuing in practice:

2. Approval and issuing from Issuing Body



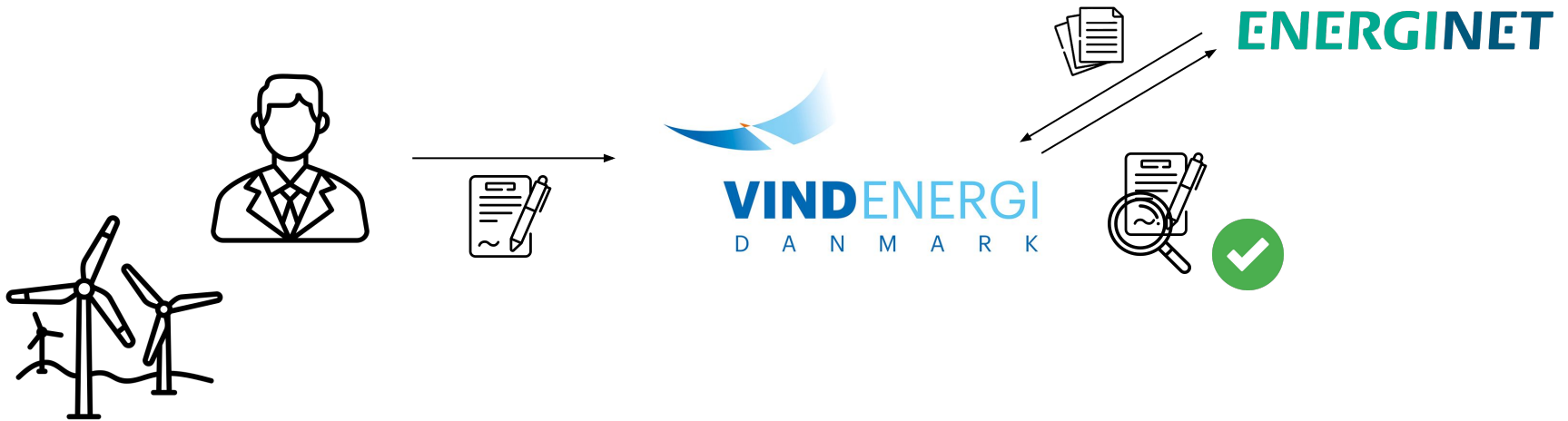
Issuing in practice:

2. Approval and issuing from Issuing Body



Issuing in practice:

2. Approval and issuing from Issuing Body



Issuing in practice:

2. Approval and issuing from Issuing Body



Issuing in practice:

3. Controlling and managing

grexel

15 March 2024 at 9.22.05 GMT+1

Nicolai Gibskov Søderberg
Vindenergi Danmark (02XDVNRGIY)
Denmark

Home

Accounts

Reports

List of Accounts

Refresh grid Include inactive accounts Create Account

Account number	Account name	Standard	Public	Locked	Status	Volume	Volume unit	Expiring	Expiring unit	
+ 579000043200000013	Default Account	EECS	Yes	No	Active	411875	MWh	0	MWh	SCHEDULE TRANSACTION

Issuing in practice:

3. Controlling and managing



🕒 15 March 2024 at 9.23.27 GMT+1 🌐 📄

Nicolai Gibskov Søderberg
Vindenergi Danmark (02XDVNRGIY) ▾
Denmark

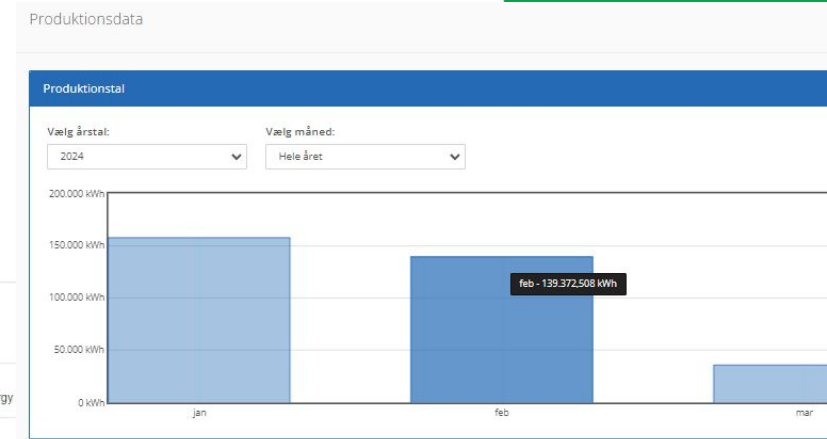
Certificates													
Clear all sortings Refresh grid Cancel certificates (0) Transfer (0) 📄 ☰													
☐	Certificate bundle	Account			Issuer	Issue date	Earmark	Energy source	Production period		Production Device		
	Volume	Account number	Account name	Iss: col coc	Energy source name			Production start date	Production end date	GSRN	Operational date		
☐	139	79000043200000013	Default Account	DK	14/03/2024	No support	Renewable/Mechanical source or other/Wind	01/02/2024	29/02/2024	570714700000010576	1997-05-07		
☐	129	59000043200000013	Default Account	DK	14/03/2024	No support	Renewable/Mechanical source or other/Wind	01/02/2024	29/02/2024	570714700000010583	1997-05-07		
☐	144	59000043200000013	Default Account	DK	14/03/2024	No support	Renewable/Mechanical source or other/Wind	01/02/2024	29/02/2024	570714700000010651	1997-05-15		
☐	160	59000043200000013	Default Account	DK	14/03/2024	No support	Renewable/Mechanical source or other/Wind	01/02/2024	29/02/2024	570714700000010699	1997-05-30		
☐	33	79000043200000013	Default Account	DK	14/03/2024	No support	Renewable/Mechanical source or other/Wind	01/02/2024	29/02/2024	570715000000009808	1997-04-06		
☐	122	579000043200000013	Default Account	DK	14/03/2024	No support	Renewable/Mechanical source or other/Wind	01/02/2024	29/02/2024	570715000000009814	1997-04-06		

Issuing in practice:

3. Controlling and managing



Certificates										
	Certificate bundle	Account		Issuer		Energy				
<input type="checkbox"/>	Volume	Account number	Account name	Iss: COL cor	Issue date	Energy source	Production start date	Production end date	GSRN	Operational date
<input type="checkbox"/>	139	579000043200000013	Default Account	DK	14/03/2024	Renewable/Mechanical source or other/Wind	01/02/2024	29/02/2024	570714700000010576	1997-05-07
<input type="checkbox"/>	129	579000043200000013	Default Account	DK	14/03/2024	Renewable/Mechanical source or other/Wind	01/02/2024	29/02/2024	570714700000010583	1997-05-07
<input type="checkbox"/>	144	579000043200000013	Default Account	DK	14/03/2024	Renewable/Mechanical source or other/Wind	01/02/2024	29/02/2024	570714700000010651	1997-05-15
<input type="checkbox"/>	160	579000043200000013	Default Account	DK	14/03/2024	Renewable/Mechanical source or other/Wind	01/02/2024	29/02/2024	570714700000010699	1997-05-30
<input type="checkbox"/>	33	579000043200000013	Default Account	DK	14/03/2024	Renewable/Mechanical source or other/Wind	01/02/2024	29/02/2024	570715000000009808	1997-04-06
<input type="checkbox"/>	122	579000043200000013	Default Account	DK	14/03/2024	Renewable/Mechanical source or other/Wind	01/02/2024	29/02/2024	570715000000009815	1997-04-06



Issuing in practice:

3. Controlling and managing (divide by categories)

grexel

15 March 2024 at 9:31.45 GMT+1

Nicolai Gibskov Sønderberg
Vindenergi Danmark (02XDVNRGIY)
Denmark

Home	-	579000043200002154	Produktion 2024	EECS	● No	🔒 No	✅ Active	0	MWh	0	MWh	SCHEDULE TRANSACTION >
Accounts		579000043200006701	2009 eller nyere_24	EECS	● No	🔒 No	✅ Active			3657		SCHEDULE TRANSACTION >
Reports		579000043200006718	2010 eller nyere_24	EECS	● No	🔒 No	✅ Active			2113		SCHEDULE TRANSACTION >
Plants		579000043200006732	No support yngre end 31.12.1999_24	EECS	● No	🔒 No	✅ Active			118742		SCHEDULE TRANSACTION >
Users		579000043200006749	Q1 2024 DK	EECS	● No	🔒 No	✅ Active			30180		SCHEDULE TRANSACTION >
		579000043200006756	Q1 no support, more than 20 years_24	EECS	● No	🔒 No	✅ Active			167917		SCHEDULE TRANSACTION >
		579000043200007012	Q2 2024 DK	EECS	● No	🔒 No	✅ Active			0	0	SCHEDULE TRANSACTION >

Issuing in practice:

3. Controlling and managing (divide by deliveries)



15 March 2024 at 9.34.48 GMT+1

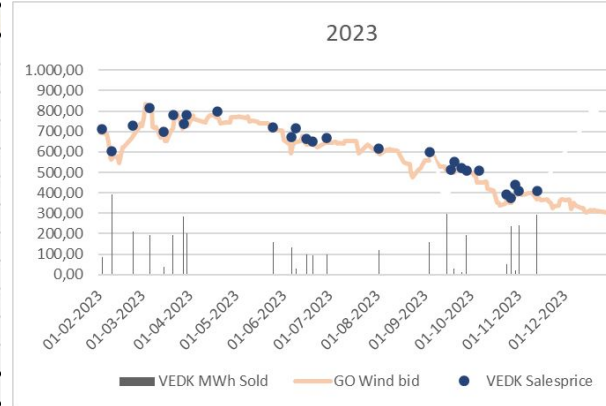
Nicolai Gibskov Sæderberg
 Vindenergi Danmark (O2XDVNRGIY)
 Denmark

Home	579000043200001379	Udbakker	EECS	No	No	Active	0 MWh	0	MWh	SCHEDULE TRANSACTION
Accounts	579000043200001034	SalesID 1870	EECS	No	No	Active	5000			SCHEDULE TRANSACTION
Reports	579000043200002086	SalesID	EECS	No	No	Active	0	0		SCHEDULE TRANSACTION
Plants	579000043200002499	SalesID	EECS	No	No	Active	0	0		SCHEDULE TRANSACTION
Users	579000043200002604	SalesID	EECS	No	No	Active	0	0		SCHEDULE TRANSACTION
	579000043200002796	SalesID	EECS	No	No	Active	0	0		SCHEDULE TRANSACTION

Issuing in practice:

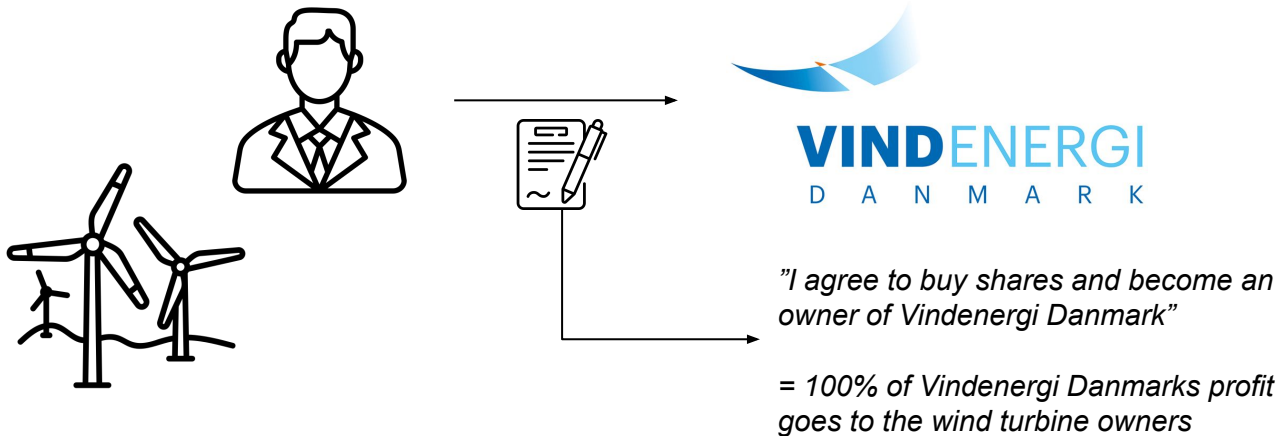
4. Forward trading

Year	Month	GO's Issued	GO's Forecast	GO's Sold
2024	1	477.713	463.976	235.416
2024	2	405.572	376.505	225.416
2024	3	0	385.409	233.416
2024	4	0	326.575	233.416
2024	5	0	279.213	233.416
2024	6	0	269.362	233.416
2024	7	0	224.680	205.836
2024	8	0	256.390	205.836
2024	9	0	307.513	205.836
2024	10	0	357.078	212.503
2024	11	0	401.147	212.503
2024	12	0	455.855	212.503
Total		883.285	4.146.507	2.649.514



Vindenergi Danmark is a cooperative:

For more than 20 years Vindenergi Danmark has acted on behalf of danish wind turbine owners



Vindenergi Danmark is a cooperative:

Reducing the administrative costs for the wind turbine owner

Costs of issuing (2023)

- Account: 6.350 EUR pr. year.

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- Devices: 24 EUR pr. device

Vindenergi Danmark is a cooperative:

Reducing the administrative costs for the wind turbine owner

Costs of issuing (2023)

- Account: 6.350 EUR pr. year.
- Devices: 24 EUR pr. device
- Issuing: 240 EUR pr. month + ~0,01 EUR pr. certificate

Vindenergi Danmark is a cooperative:

Reducing the administrative costs for the wind turbine owner

Costs of issuing (2023)

- Account: 6.350 EUR pr. year.
- Devices: 24 EUR pr. device
- Issuing: 240 EUR pr. month + ~0,01 EUR pr. certificate
- Export: ~0,01 EUR pr. certificate

Vindenergi Danmark is a cooperative:

Reducing the administrative costs for the wind turbine owner

Costs of issuing (2023)

- Account: 6.350 EUR pr. year.
- Devices: 24 EUR pr. device
- Issuing: 240 EUR pr. month + ~0,01 EUR pr. certificate
- Export: ~0,01 EUR pr. certificate

Example: (1 turbine, 10.000 MWh/year)

Total costs: $6.350 + 24 + 240 \cdot 12 + 0,01 \cdot 10.000 + 0,01 \cdot 10.000 = 9.454$ EUR.

Pr. turbine: 9.454 EUR/year pr. turbine

Vindenergi Danmark is a cooperative:

Reducing the administrative costs for the wind turbine owner

Costs of issuing (2023)

- Account: 6.350 EUR pr. year.
- Devices: 24 EUR pr. device
- Issuing: 240 EUR pr. month + ~0,01 EUR pr. certificate
- Export: ~0,01 EUR pr. certificate

Example: (2.000 turbines, 4.500.000 MWh/year)

Total costs: $6.350 + 24 * 2000 + 240 * 12 + 0,01 * 4.500.000 + 0,01 * 4.500.000 = 147.230$ EUR.

Pr. turbine: 74 EUR/year pr. turbine