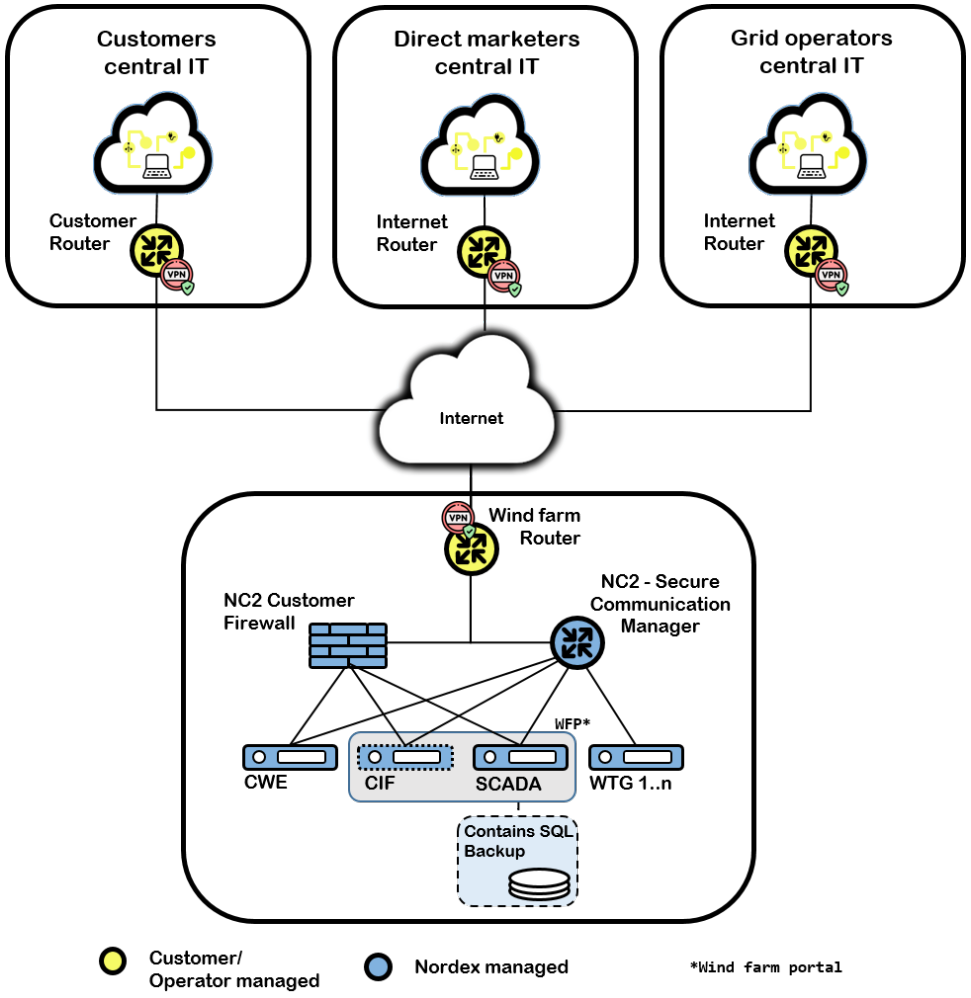
UPGRADES MADE BY NORDEX

Interface Product Portfolio

	Customer Interface (CIF)	SQL-Database Access	Trading Interface (TIF)	Grid Operator Interface (GIF)*
User	Customer	Customer	Direct marketer	Grid operator
Function	Receive **real time SCADA data**	Access most recent **historical 10min SCADA data**	Access the **wind farm controller** and **specify set point values**	Access the **wind farm controller** and **perform grid related control functions**
System	NX SCADA system (additional CIF server required)	NX SCADA server	CWE	CWE
Protocol language	OPC XML DA (or IEC 60870-5-104)	ODBC (or JDBC)	IEC 60870-5-104	IEC 60870-5-104

**Available on request*