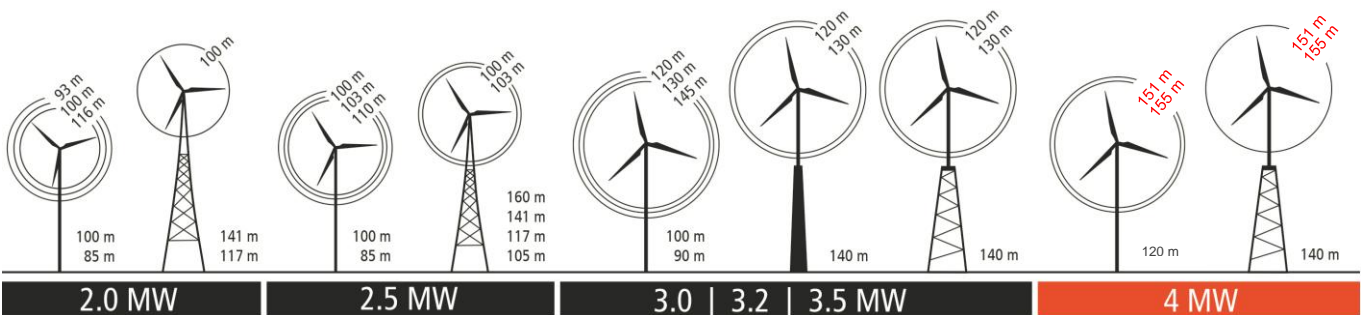
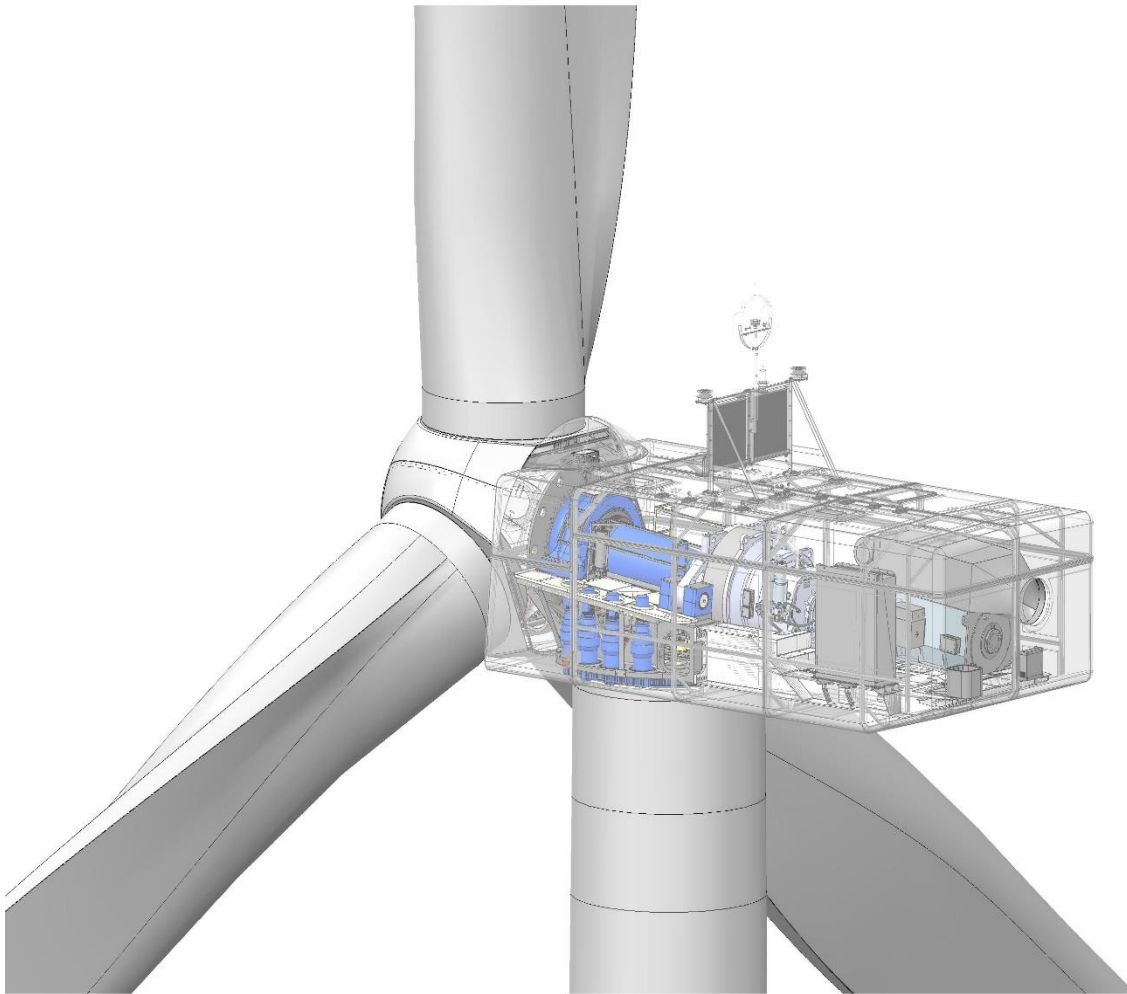


Rated power: 4.8 MW
 Rotor diameter: 151 m
 Wind class: IEC 3a / 2b



TECHNOLOGY ON DEMAND



TECHNICAL DATA

| | |
|------------------------------|---|
| Rated power | 4.8 MW |
| Rotor | 151 m |
| Wind class | IEC 3a / 2b |
| Cut-in wind speed | 3 m/s |
| Rated wind speed | 13.5 m/s |
| Cut-out wind speed | 20 m/s |
| Sound power | 110.2 db(A) |
| Hub height | 120 m tubular tower |
| Drive train concept | 3-point suspension |
| Electrical configuration | Squirrel cage induction generator / full-size converter |
| Power control - LARUS Smart® | Triple independent pitch system |
| Safety System - LARUS Safe® | Matrix safety system acc. to GL guideline, ed. 2010 |

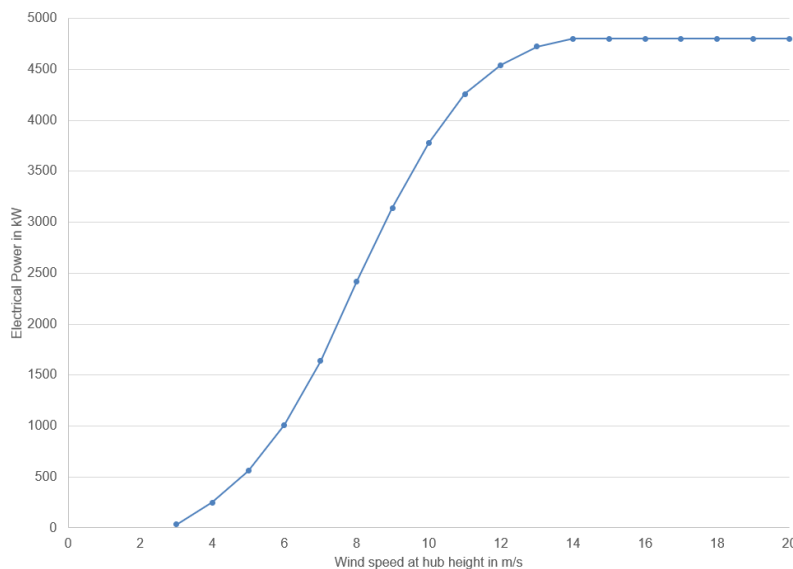
POWER CURVES*

| V _{WIND} [m/s] | Power [kW] |
|-------------------------|------------|
| 3 | 35 |
| 4 | 249 |
| 5 | 560 |
| 6 | 1011 |
| 7 | 1638 |
| 8 | 2420 |
| 9 | 3142 |
| 10 | 3776 |
| 11 | 4258 |
| 12 | 4542 |
| 13 | 4723 |
| 14 | 4800 |
| 15 | 4800 |
| 20 | 4800 |

ANNUAL YIELD*

| V _{WIND} [m/s] | Yield [MWh] |
|-------------------------|-------------|
| 5.0 | 8261 |
| 5.5 | 10291 |
| 6.0 | 12329 |
| 6.5 | 14313 |
| 7.0 | 16194 |
| 7.5 | 17931 |
| 8.0 | 19494 |
| 8.5 | 20858 |

* Standard conditions and calculations acc. to IEC 61400-12



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