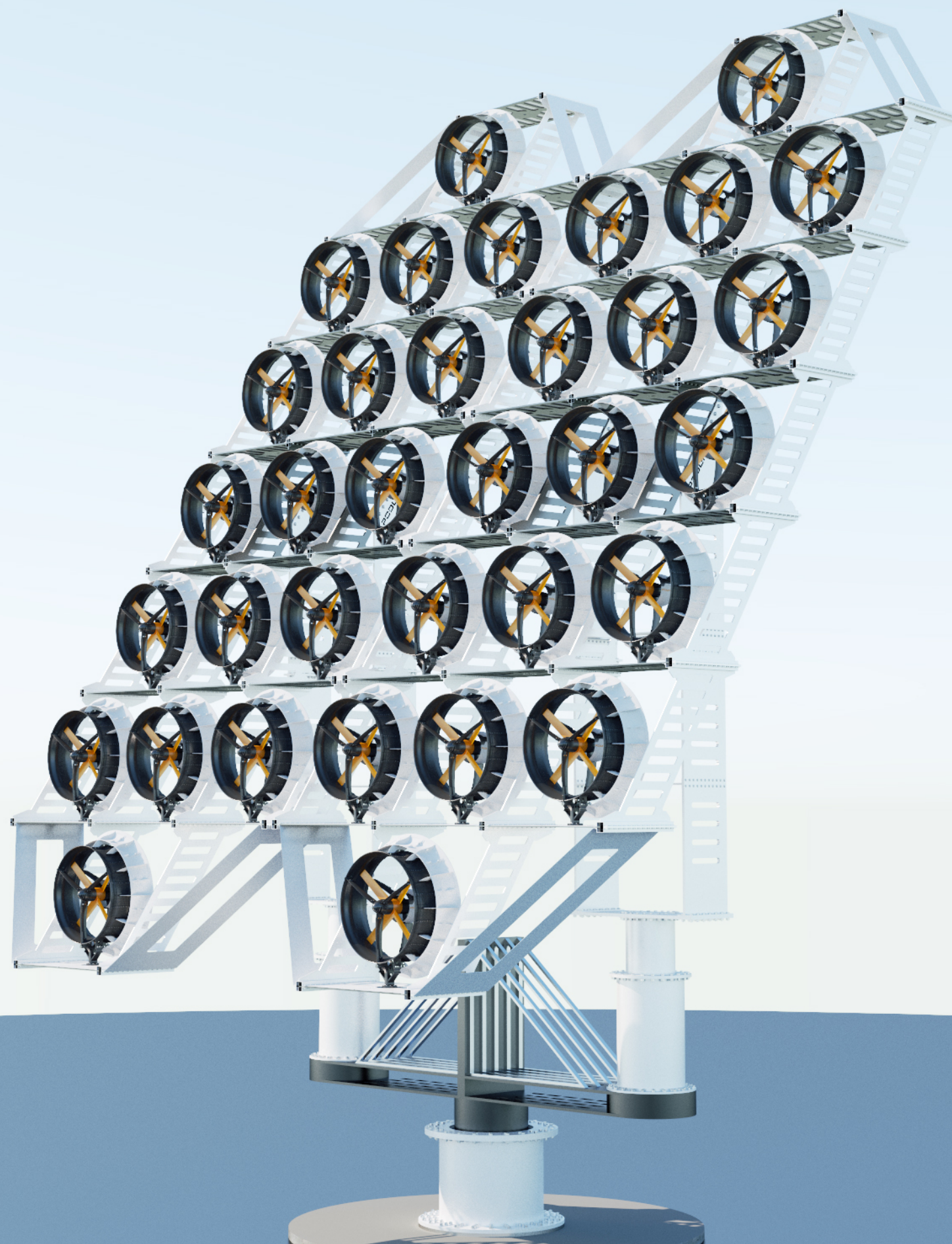


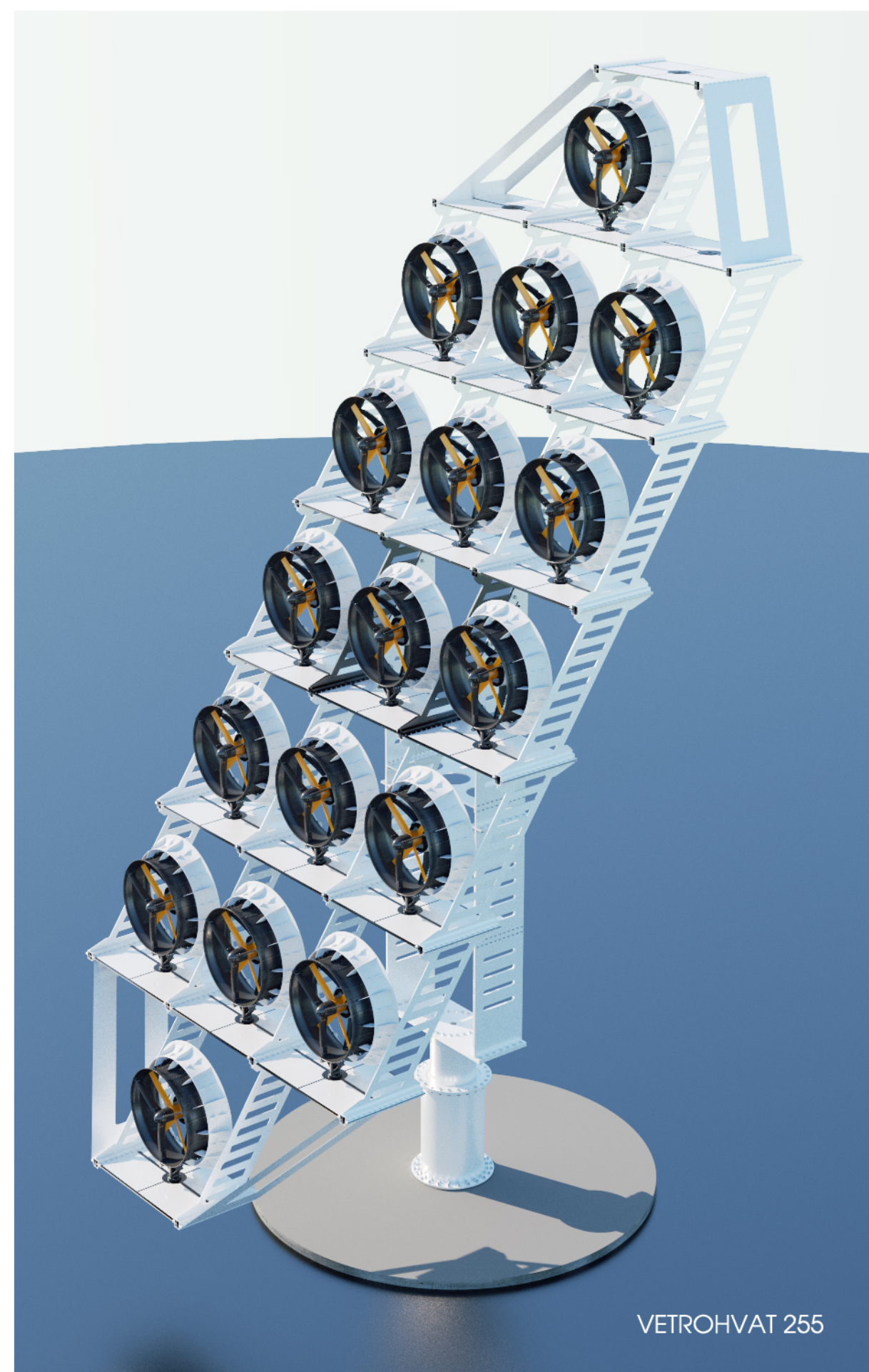


VETROHVAT 510

Vetrohvat is modular, Vetar 15 based, multiunit alternative to large conventional wind turbines. At present it comes in two configurations Vetrohvat 255 (255 kW) and Vetrohvat 510 (510 kW). However because of modular nature of Vetrohvat solution, other power options starting from 45 kW to maximum 510 kW are also possible.

Advantages of Vetrohvat over large conventional wind turbines are:

1. Modular power output approach - power output can be easily configured by different turbines modules configurations and/or by simply changing the number of turbines within modules.
2. Higher reliability - multiunit energy output, no gearboxes.
3. Higher productivity relative to rotor area cross section surface size - smaller power involved rotors surface area, but also smaller overall mainframe surface area relative to same power conventional wind turbines.
4. Much easier maintenance - it is much easier to clean and fix small size units than very large ones.
5. Much easier installation of turbines - once mainframe installed, each turbine, weight only 760 kg, can be installed using even the smallest cranes which will simply place turbine on its position.
6. Hybrid technology approach - same technology base can be used for other purposes, like telecommunications (Wi-Fi emitters, cell phone emitters, etc.) and security purposes (radars installations). It can also be upgraded with solar panels.
7. Birds and bats friendly - differently from large wind turbines, which kills millions of birds and bats every year, ducted fast rotating rotors of Vetar 15 wind turbines are very noticeable for birds and bats which makes killing them or injuring them by turbines blades virtually impossible.
8. Significantly reduced vibrations and stress on structure (prolonged life and increased structural resonance resistance) as well as reduced light flickering effect.



VETROHVAT 255