$S^4 P^2$

SEMI SOLID STATE STORAGE POWER PLANT

+45.0 m

+41.0 m

+30.0 m

sand silo

telescopic inlet tube

stator's coils
rotor's magnets
turbine buckets

bucket elevator height 61 m

bucket elevator height 40 m

command room

underground sand storage

-4.5 m

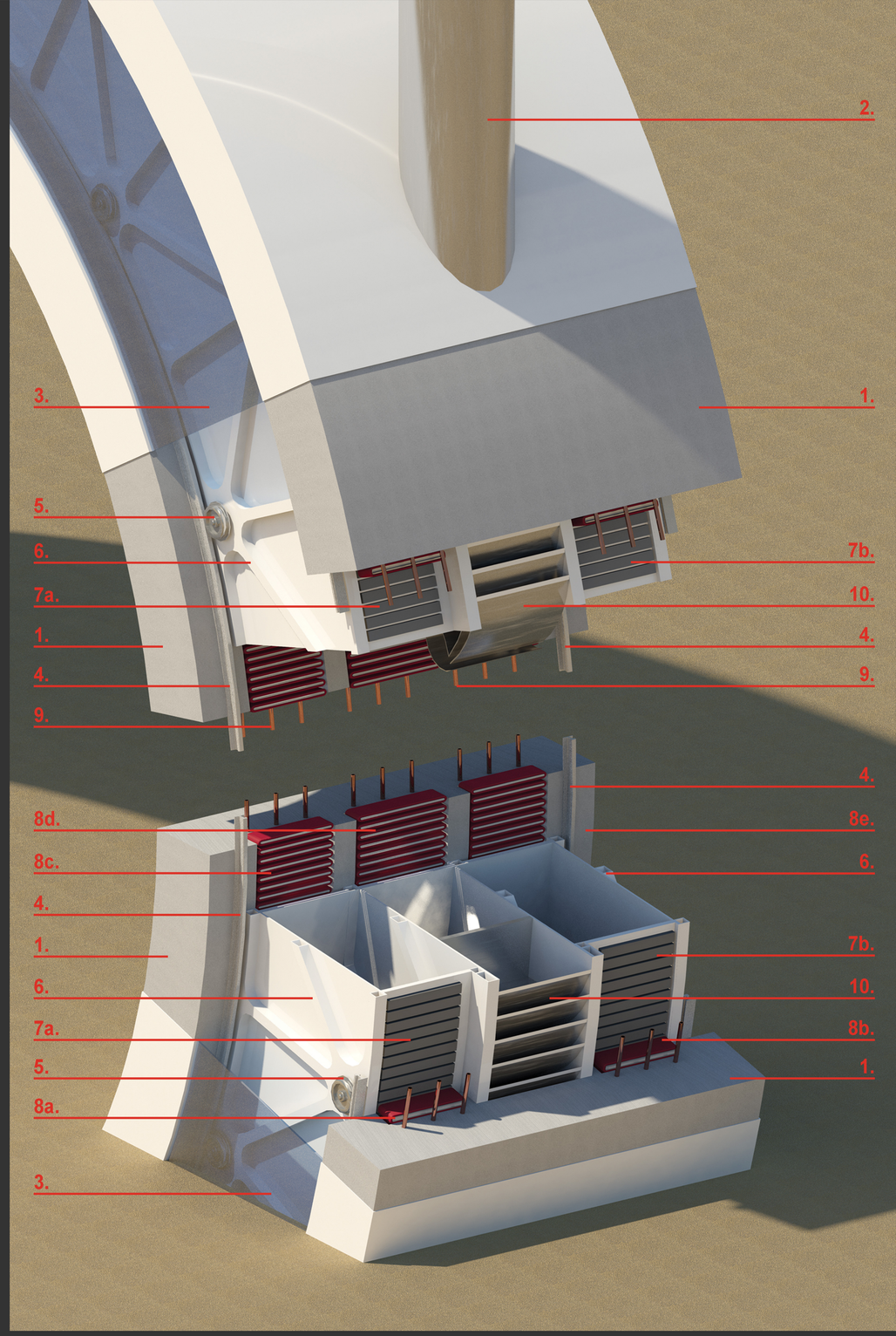
-9.0 m

-15.0 m

-20.0 m

0 3 m 9 m

SECTIONS



TURBINE & ALTERNATOR DETAIL

1. Rainforced concrete shell.
2. Sand flow telescopic inlet tube.
3. Seamless acrilic glass.
4. Rails.
5. Wheels.
6. Steel construction of the turbine / alternator.
7. Altenator - five rows of the rotor's permanent magnets.
8. Alernator - five rows of the stator's coils.
9. Alternator - stator cooling.
10. Turbine buckets.