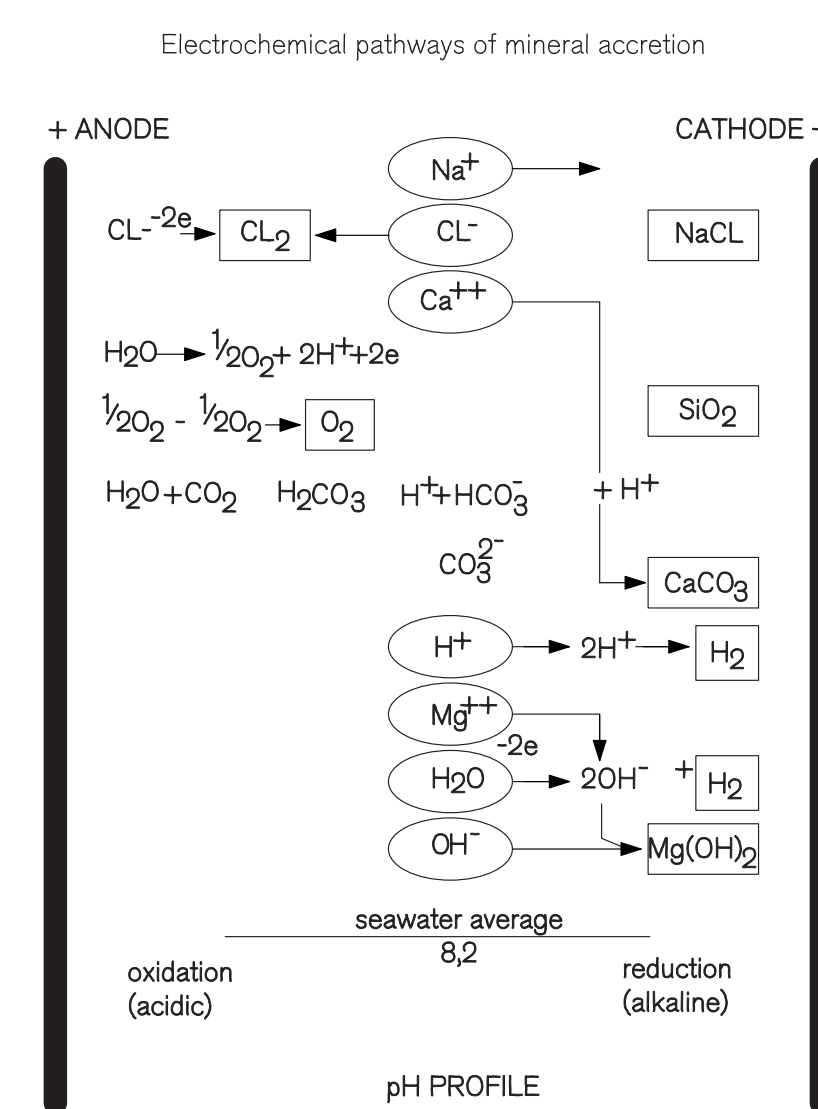


MINERAL ACCRETION FURNITURE

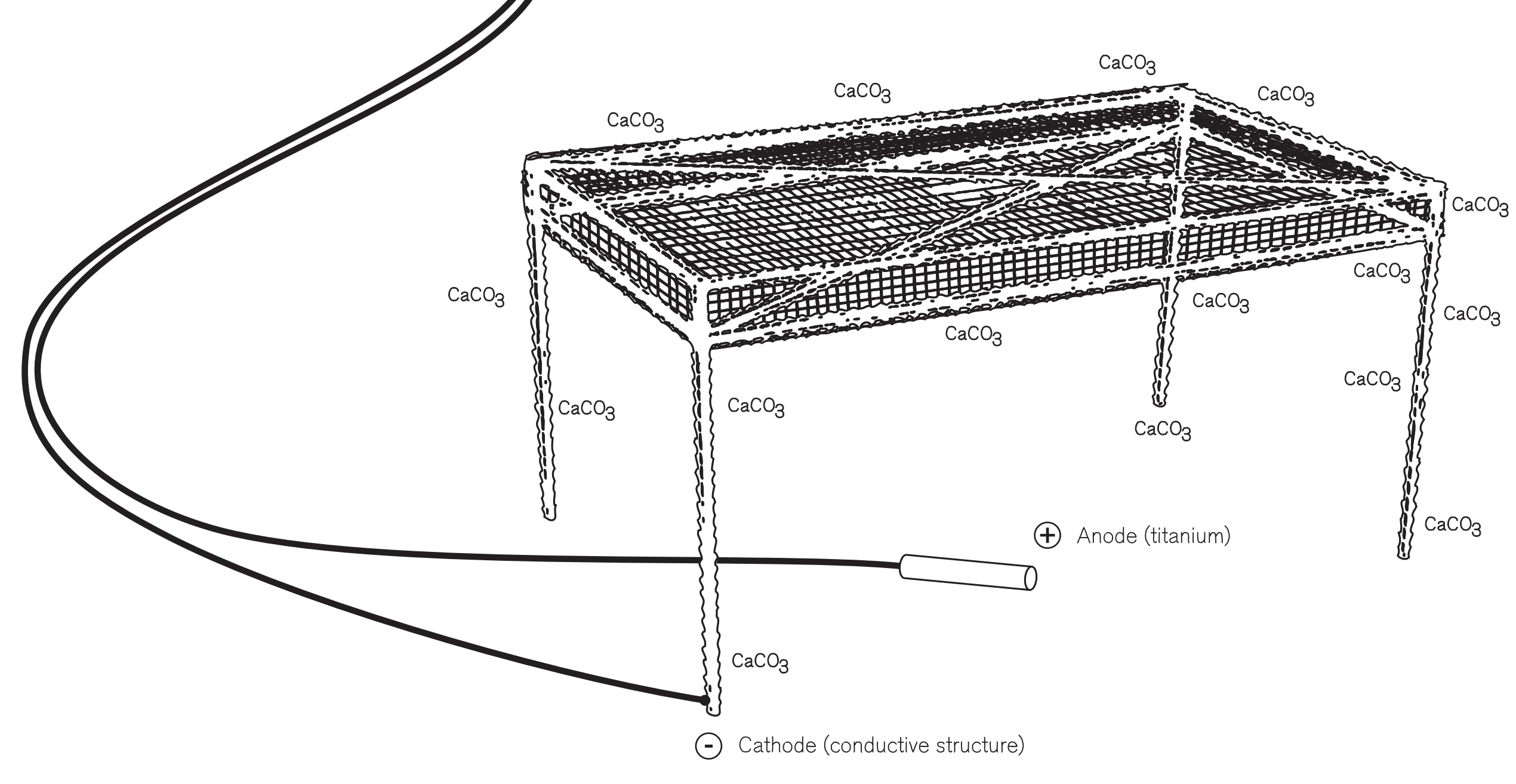
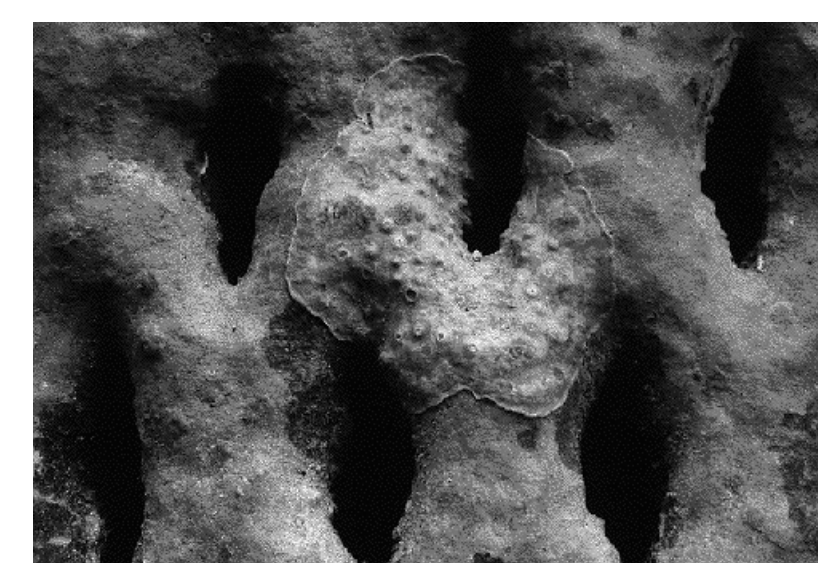
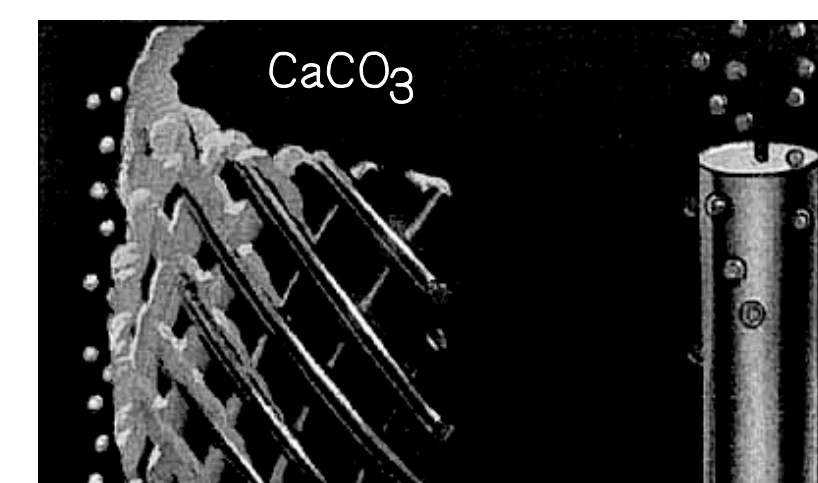
The Mineral Accretion Process was invented by architect and biologist Wolf Hilbertz to grow construction materials from ocean minerals. Wolf Hilbertz and Dr. Thomas J. Goreau - President of the Global Coral Reef Alliance - both developed the process (Biorock®) to create artificial reef to help the coral reef restoration (almost 64 % of the corals died during the 20 past years), fisheries restoration, shore protection and mariculture.

The process is based on structures easily built with locally available conductive material (usually rebar) which is submerged. A low voltage electric power is applied between the conductive structure (cathode negative) and a piece of titanium (anode positive). Minerals crystallize from seawater onto structures. The structure is then, auto-protected and the calcium carbonate, white limestone (CaCO₃) grow quickly on it.

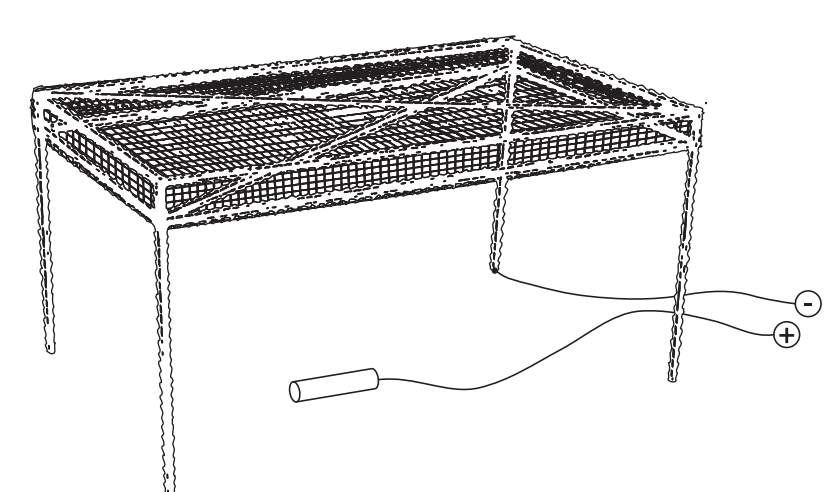
The purpose of Mineral Accretion Furniture is to use this low tech and slow process to create furniture and domestic objects according to a biological rhythm.



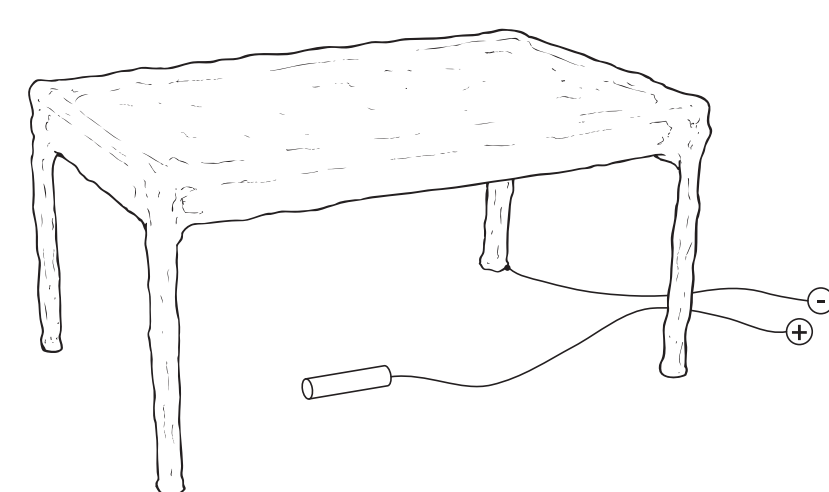
When a positively charged anode and a negatively charged cathode are suspended in sea water with an electric current flowing between them, calcium ions combine with carbonate ions adhere to the structure (cathode). The result is calcium carbonate. Sub-marine flora and corals adhere to CaCO₃ and grow quickly.



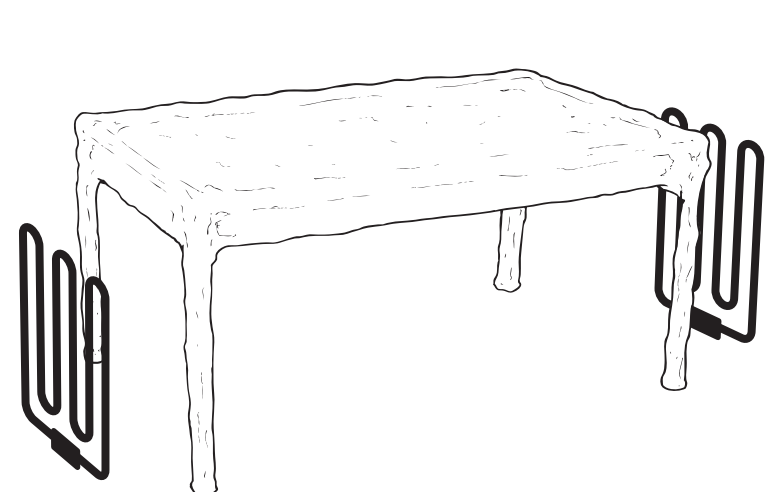
PROCESS



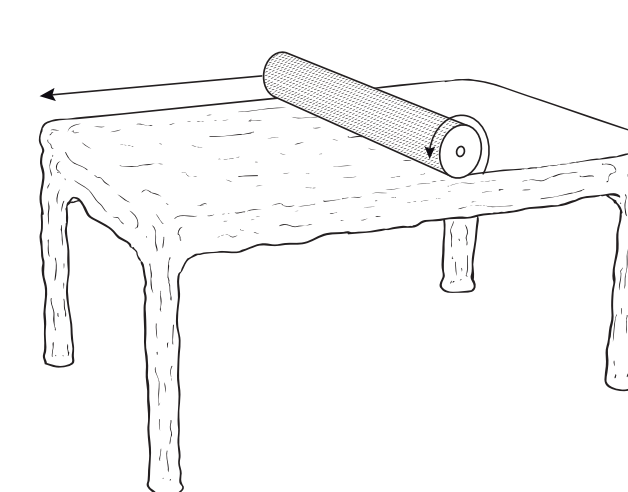
1_Submerging the structure



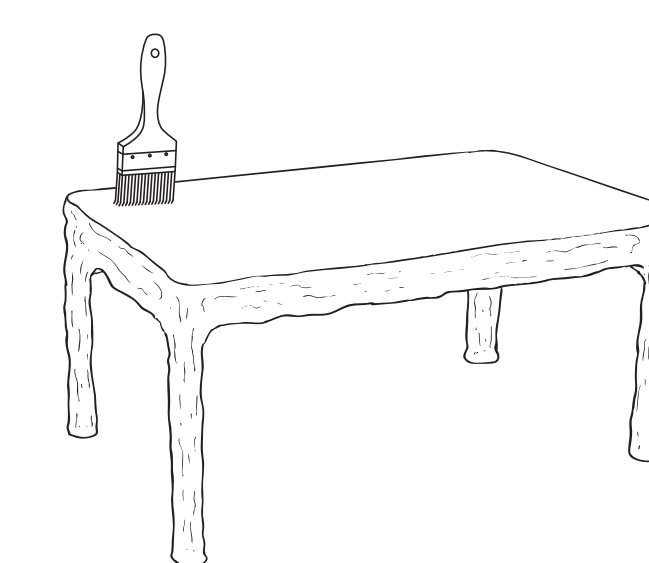
2_Leaving the structure 2 or 3 years



3_Drying the structure



4_Rectifying the using surfaces



5_Fixing the material with bio-resin