W5- Virtual Game: Material Hunter_Materials for a sustainable future
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Group 3: New Materials
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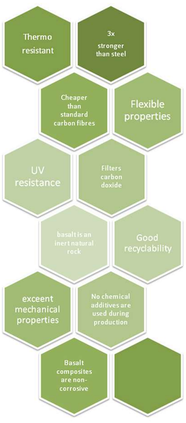
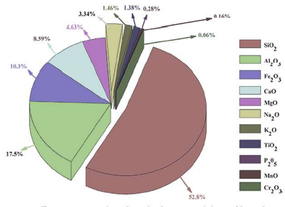
With the rising of the sea-level new possibilties of living need to be researched. In the Netherlands they have been fighting against the sea for many years. The residents have been living 2 meters below sea-level. With our dome construction living in the sea is possible. Building the domes now under water or on land will give us the safety of being prepared. It could be a plan B.



Basalt is a revolutionary fibre. In terms of cost-efficiency and performance, it builds a bridge between carbon fibre and glass fibre. Basalt opens the door to numerous projects for which glass fibre cannot be used and for which carbon fibre would be too expensive. And the most exciting thing is that countless totally new areas of use are opening up, some of which might seem like a distant dream today, for example constructing motorway bridges without steel reinforcement and metals which develop completely new property profiles by the addition of basalt fibres. And why must cars be made of sheet metal anyway? The use of basalt in under water projects has not yet been used but with the growing demand for high quality and sustainable options the basalt material will grow in possibilities.



Percentage wise chemical composition of basalt

element / fractal