

Symbiosis

Archilife was founded in 1978 under the lead of President Lin and we have devoted ourself to solve living problems of human beings.

At a special session of SB2002 Oslo International Conference, I delivered a speech and the title was “A New Sustainable Approach Challenge of Subtropical Region”. In that occasion, I presented a very important formula for sustainable building. That is $GB + Symbiosis = SB$.

The key point of the difference between GB and SB is the Symbiosis. After that, at the SB05 Tokyo International Conference, I further delivered a speech “WILD-TECH”, use this concept to show how to make Symbiosis come true.

The term “wide” means full-angle thinking and to consider everything from different aspects.

Meanwhile, to be “interactive” is to exchange concepts with all the knowledge keepers.

Concerning “long-term,” is to solve problems under the continuing thinking.

With the tool of “deep-going,” we will not neglect those that seem to be small but mean very important.

It requires four elements, including wide, interactive, long-term, and deep-going, to make the project perfect. To be different from the high-tech created by people, we call it “WILD-TECH”.

We have the formula $GB + Symbiosis = SB$, and have the concept of WILD-TECH. Then, we built a building for experiment. We call it the Symbiosphere 1 Center, this experiment is operated by four components, including the vertical planting systems, the nucleic acid meal, the cleaning and the compost. The vertical planting systems makes plants absorb human being's carbon dioxide (CO_2) and use Solar energy. By photosynthesis, making vegetables grow up and release the oxygen (O_2). We have our food and breathe, then, we can survive. In the bottom of the vertical planting systems, there is a fishpond. The fish provide protein plus vegetables to be our nucleic acid meal. It's not only organic, but also healthy. Through the cleaning system, like water chain, and food chain and so on, our output through the dry toilet, the result is like powder. To compost with the soil will be the nutrition of the plants. Then, they will return to the vertical planting system. Through these four procedures, it's all recycling.

We built the building in the northern Taiwan. There are 24 units inside the building. There are volunteers living there for the experiment.

In the first stage of three-year experiment, the main goal is to prove the possibility of Symbiosis. Now, we have moved into the second stage of another three-year experiment. The main goal is to test its economic issues. We have three centers focusing on this experiment to prove it workable.

Under the crisis of climate change, the weather is changing rapidly than before and is causing desertification. Because Taiwan is located in the subtropical region, so the reservation of water and tree is very important. We believe Symbiosis is the solution for the subtropical region. Because of using Solar energy originally, it makes carbon dioxide (CO_2) and oxygen (O_2), human beings and plants balanced, so, recycling is possible. Then, it can be sustainable. Now, the president of Taiwan, Mr. Chen used our Archilife Research Foundation's idea and is transforming Taiwan into "Green Silicon Island". With that, we hope it would lead all of us to a sustainable future.