The marine research centre along Sungai Kuantan estuary near Tanjung Lumpur in Pahang is based on the understanding of the complex environmental issues with the interconnected field of overlapping boundaries expressing nature and artificial elements as well as the static and fluid conditions. The entire project is like a ‘breathing organism’ that evolves and acts as a response to the ever changing environment. Connections of specific building and urban context represents the degree of complexity that is in unison with mother nature. The supporting structure mimics the root system of existing mangrove swamp and the buildings and services are raised using the cantenary arch approach. The wonder of natural system is the source of reference in experimenting new conceptual model for this particular architectural design by Loo Jie Hsin.

Due to the threat of depletion in fisheries resources, this project seeks a way to achieve symbiotic behavior and metabolic balance between human and nature in a form that enables it to display its own beauty and aesthetic value. The research centre is a temporary breeding ground acting as a catalyst to generate aquatic reproduction and spawning. Apart from that, the centre is also responsible to monitor, control and set up surveillance programme for ecological management. The fisherman wharf will include a new fish market, fish grille restaurant which serves as a node to direct and indirect linkages to the site context in terms of local activities and social cultural aspects.
Marine and Estuarine Ecology Research Centre – A.Morphous.Tuarine_1

Marine and Estuarine Ecology Research Centre – A.Morphous.Tuarine_2
Marine and Estuarine Ecology Research Centre – A.Morphous.Tuarine_3

Marine and Estuarine Ecology Research Centre – A.Morphous.Tuarine_1

Loo Jie Hsin