FUTURE MOBILITY CONCEPT FOR CARGO AND PASSENGERS
Autonomous power train moving cargo containers.
The flexible layout gives the possibility to cabin owners to give a different experience while traveling by bus. For example when they lease the cabin to transport children during the weeks they can have a full layout moving 40 children, and in the weekends with the same cabin they can offer a deluxe charters in an extra comfortable environment, moving just 20 people at a time.

In case of a tip over or a roll over, the passengers compartment is able to rotate independently from the power trains' housings. This feature will prevent major injuries on passengers. In case of a catastrophic collision the power trains' housing will help to protect the main compartment. During daily usage the bus counts with four entrance/exit points.

In case of an accident the whole sides of the bus could be removed. At the top of the passengers compartment there are two big emergency exits. These exits are not obstructed by any luggage compartment in the interior of the cabin.

Each seat has a four point seat belt that keeps the passengers secure while traveling by bus. The usage of the entertainment system in the bus are activate by a sensor in the buckle of the seat belt. In order to be able of using it the users have to buckle the belt. In this way the usage of the seat belt is rewarded. Having a much better experience while traveling by bus.

During daily usage the passengers' cabin have an easy entrance and exit. The height of the passengers' cabin will be regulated by the Power Trains' housing.

The luggage compartment, the toilette and the engine have been separated from the main passengers cabin, because all of them are risk factors in case of an accident. The toilets are one of the most common places where fires starts due to people smoking inside of them. In case of a crash or even during normal operation the engine is the most common origin of fires, and the luggage compartments provide a source of highly flammable material.

In case of the passengers layout 20 people can be transported. When the valet function is used, people can easily stand up from their seats. It also makes possible to save space in the cabin when a line of seats are not used and finally in case of a crash makes possible to move people along the cabin.

The access function make easier for users to access to the aisle. The dynamic function makes possible to generate space with in the cabin, make travels more comfortable and safer. It also helps to generate space inside the cabin during a rescue procedure.