CLAIMS

1. A manufacturing facility, comprising:

one or more interconnectable modules, wherein at least one of the one or more interconnectable modules comprises:

a housing having at least one charging inlet and at least one discharging outlet, wherein the housing is an intermodal container; and

a reactor in the housing, the reactor having at least one reactor inlet coupled to the at least one charging inlet of the housing and at least one reactor outlet coupled to the at least one discharging outlet of the housing.

~~2. The manufacturing facility of claim 1~~, wherein the reactor is provided at an incline relative to a horizontal plane of the housing.

~~3~~2. The manufacturing facility of claim ~~2~~1, wherein the incline is between about 0 degrees (°) and about 3° from the horizontal plane of the housing.

~~4~~3. The manufacturing facility of ~~any one of the preceding~~ claim~~s~~ 1 or 2, further comprising an agitator provided in the reactor.

~~5~~4. The manufacturing facility of any one of the preceding claims, further comprising at least one cleaning device provided in the reactor.

~~6~~5. The manufacturing facility of any one of the preceding claims, further comprising a heat tracing system coupled to the reactor.

~~7~~6. The manufacturing facility of any one of the preceding claims, further comprising a pressure relief system coupled to the reactor.

~~8~~7. The manufacturing facility of any one of the preceding claims, further comprising a scrubber system coupled to the reactor.

~~9~~8. The manufacturing facility of any one of the preceding claims, wherein the reactor is provided with one or more of a sight glass, a level indicator, a temperature indicator, a pressure gauge, a sampling point and a drainage outlet.

~~10~~9. The manufacturing facility of any one of the preceding claims, further comprising a circulating pump coupled to the reactor.

~~11~~10. The manufacturing facility of any one of the preceding claims, further comprising one or more transfer pumps coupled between the reactor and at least one of the at least one charging inlet and the at least one discharging outlet of the housing.

~~12~~11. The manufacturing facility of any one of the preceding claims, further comprising a containment system provided in the housing.

~~13~~12. The manufacturing facility of any one of the preceding claims, wherein the reactor is coupled to one or more of a water line, an inert gas line, a plant air line and an instrument air line.

~~14~~13. The manufacturing facility of any one of the preceding claims, further comprising a filtration unit coupled between the at least one reactor outlet and the at least one discharging outlet of the housing.

~~15~~14. The manufacturing facility of any one of the preceding claims, wherein the housing is provided with one or more of a gas or smoke detector, a lighting system, an alarm system, a control panel unit and a display screen.

~~16~~15. The manufacturing facility of any one of the preceding claims, further comprising one or more of a weighing scale, a production cabinet, a maintenance cabinet, a spare intermediate bulk container (IBC), a racking system and a fire extinguisher provided in a same or a different interconnectable module than the reactor.