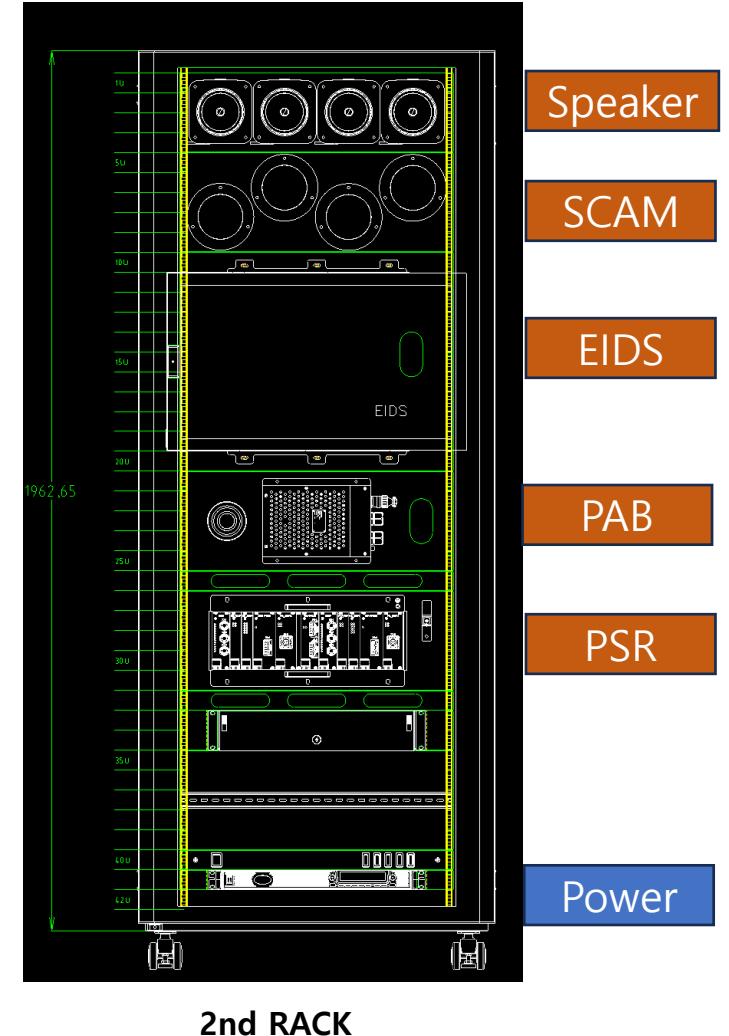
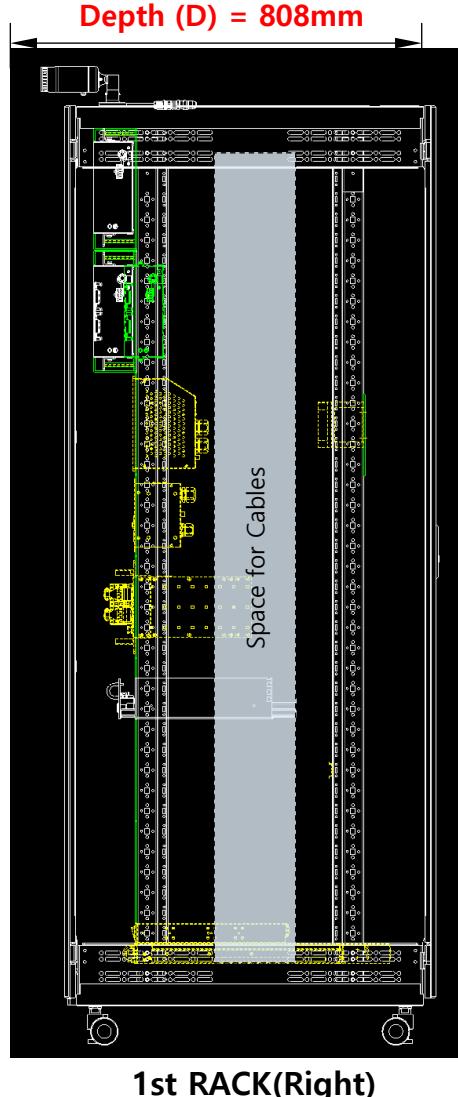
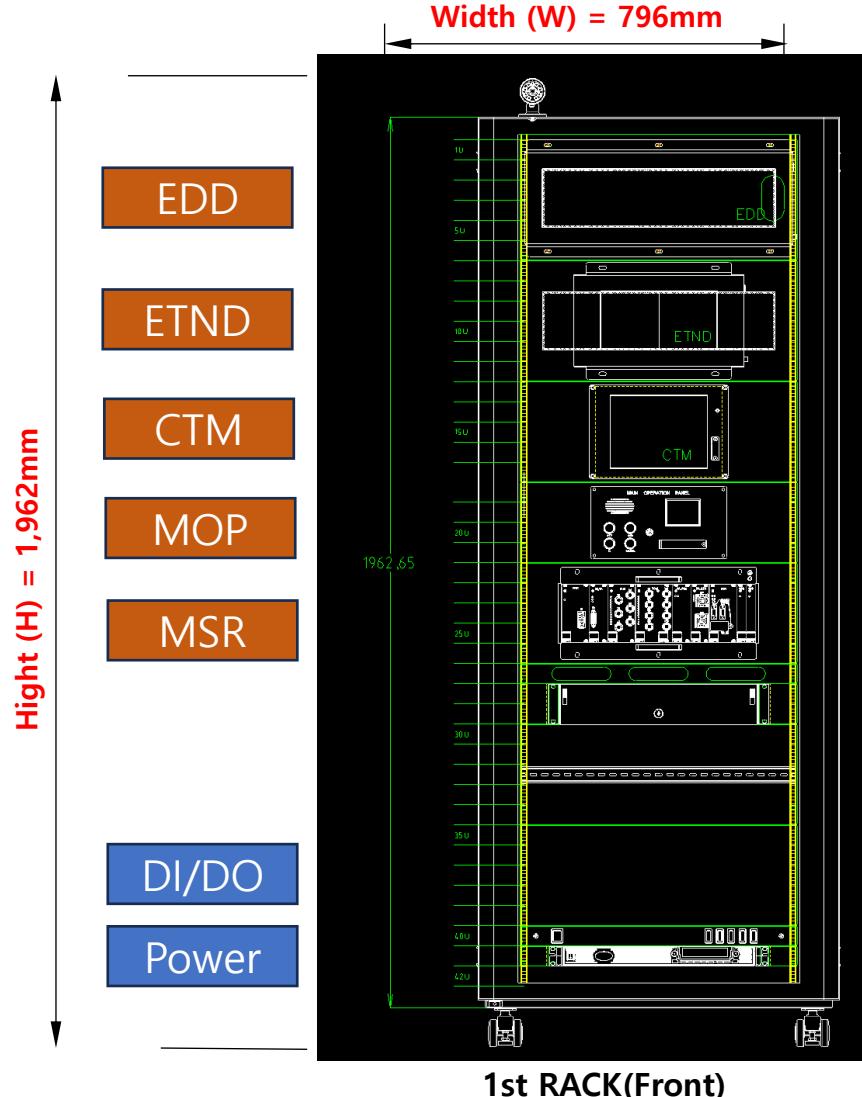


## Test Equipment for PAPIS to EAL

Div.	Possible Test items (GIC)	Additional requests (MTRC)	Budget	Remarks
<b>Full Test Equipment</b>	<ul style="list-style-type: none"> <li>- Simulated train running using TMS simulator.</li> <li>- Monitoring function for each equipment.</li> <li>- Update function for each equipment.</li> </ul>		<p>HW</p> <ul style="list-style-type: none"> <li>- RACK 0.5 Million HKD (for 2 racks)</li> </ul> <p>SW</p> <ul style="list-style-type: none"> <li>- Simulation SW 1 Million HKD</li> </ul>	
<b>Individual Test Equipment</b>				
<b>1. MSR</b>	<ul style="list-style-type: none"> <li>- Self test function for each PCBs. (Trouble shooting for each PCB with function route)</li> <li>- Interface Test for external input/output.</li> <li>- Update for each PCB.</li> </ul>		<p>HW</p> <ul style="list-style-type: none"> <li>- RACK 0.1 Million HKD</li> </ul> <p>SW</p> <ul style="list-style-type: none"> <li>- Simulation SW 0.6 Million HKD</li> </ul>	Added the external input/output signal.
<b>1. PSR</b>	<ul style="list-style-type: none"> <li>- Self test function for each PCBs. (Trouble shooting for each PCB with function route)</li> <li>- Interface Test for external input/output.</li> <li>- Update for each PCB.</li> </ul>		<p>HW</p> <ul style="list-style-type: none"> <li>- RACK 0.1 Million HKD</li> </ul> <p>SW</p> <ul style="list-style-type: none"> <li>- Simulation SW 0.6 Million HKD</li> </ul>	
<b>1. MOP</b>	<ul style="list-style-type: none"> <li>- Self test function for each PCBs. (Trouble shooting for each PCB with function route)</li> <li>- Interface Test for external input/output.</li> <li>- Update for each PCB.</li> </ul>		<p>HW</p> <ul style="list-style-type: none"> <li>- RACK 0.1 Million HKD</li> </ul> <p>SW</p> <ul style="list-style-type: none"> <li>- Simulation SW 0.6 Million HKD</li> </ul>	

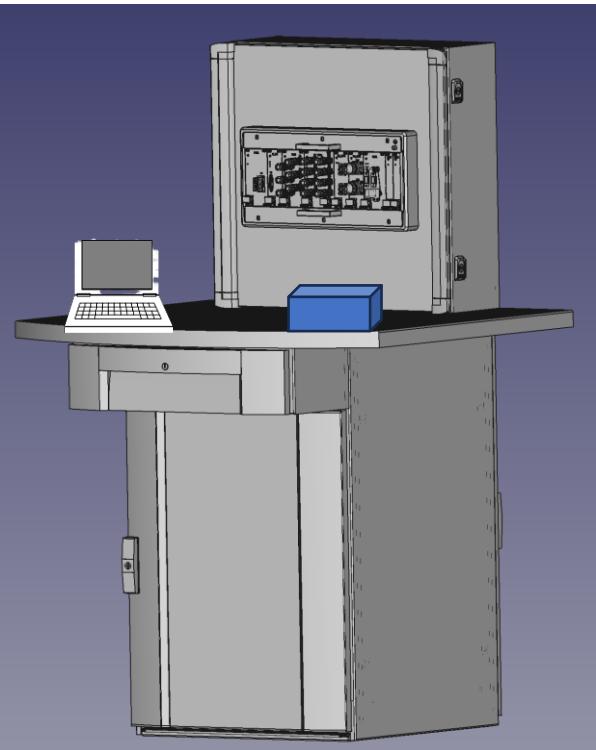
## Concept of the Test Equipment.(When the equipment installed)

- Dimension (HxWxD,mm) : 1,962x796x808 (24 inch half rack, Frame = Aluminum, Pannel = Steel with Zinc plating)
- Components : 24 inch Server Rack/ pannel, DC power supply, Harness, Power supply SW
- It is possible to do the PA/PIS system integration test, using TMS simulator.
- It is possible to confirm and monitor each equipment operation.

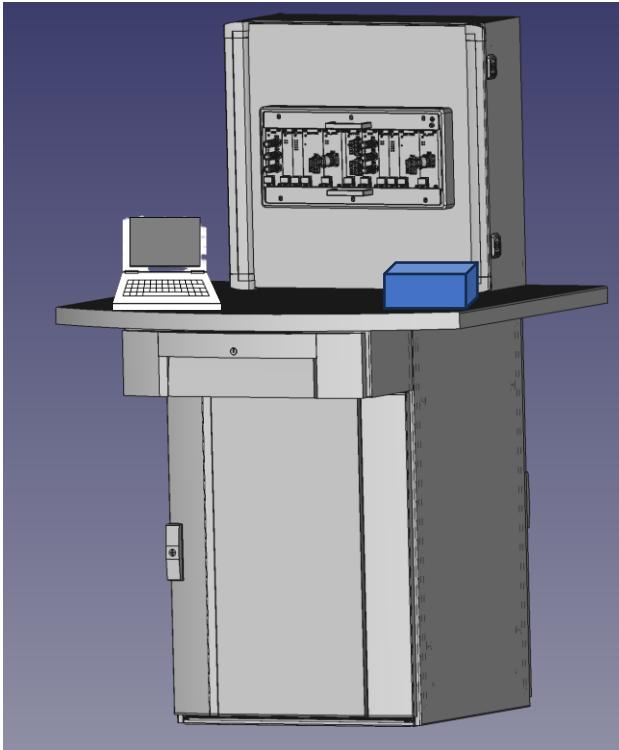


## Concept of the Test Equipment. (MSR, PSR, MOP)

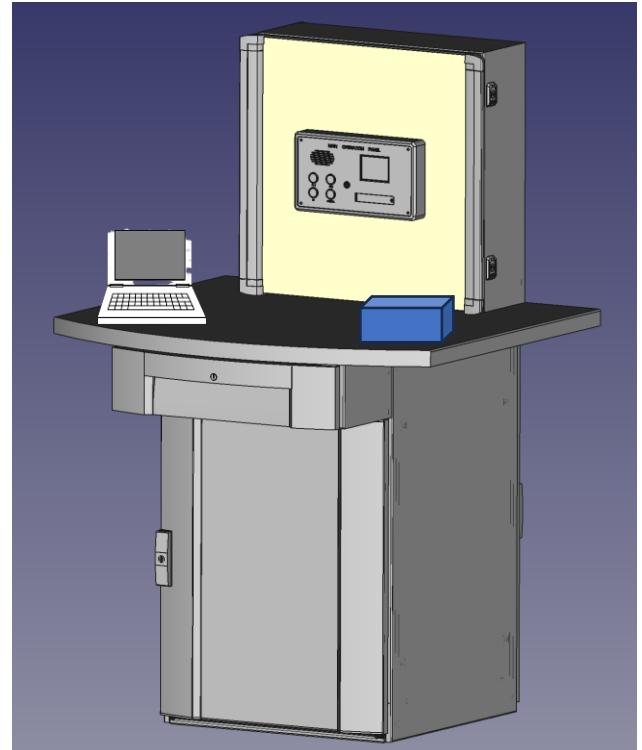
- It is using for individual equipment.
- It is possible to check the component condition, using Notebook and Maintenance tool.
- It is possible to do and report the self-test for MSR/PSR/MOP, using Maintenance SW tool.



MSR



PSR



MOP