



KUCHING PORT AUTHORITY

Your Trade Gateway To The World

“Borneo International Maritime Week 2025”

BIMP-EAGA Ports: Gearing towards a Sustainable Maritime Logistic Hub through Improved Port Terminal Competence

Kuching Port Authority Chronology of Green Port Initiatives

1. 2025: E-Convoy for containers delivery & receiving.



Kuching Port Authority Chronology of Green Port Initiatives

2. 2025: Study on usage of B20 biodiesel fuel by Rubber Tyre Gantry (Malaysian Palm Oil Board)



Kuching Port Authority

Chronology of Green Port Initiatives

3. 2024: Study by Swinburne University of Technology Melbourne on carbon emission by a Reach Stacker at Senari Terminal.



Kuching Port Authority Chronology of Green Port Initiatives

4. 2024: Purchase of two new electric-powered HHMC Quay Cranes.



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5. 2023: E-Delivery Order for containers.

The screenshot shows the Kuching Port Authority E-Delivery Order system interface. On the left is a navigation menu with options: Submission, NOSA, Inward Manifest, Outward Manifest, DG Declaration, JLMSPS, E-Delivery Order (selected), E-Receiving Order, IMSBC, Passenger Manifest, and Crew Change. The main area is titled 'E-Delivery Order' and features tabs for 'TODO', 'ACTIVE', 'PENDING', and 'FAVORITE+'. Below these is a search bar and a table with 3 entries. The table columns are: #, Port Call, DO Number, NO SA ID, Vessel Name, SCN, and Agent. The entries are: 1. MYKCH, NS230200059, VAST OCEAN 5, 23020147, INTERCAR (KUCHING); 2. MYKCH, NS210900386, DANUM 160, 21090857, HARBOUR-LINE; 3. MYKCH, NS220300660, DANUM 160, 22030324, SHIN YANG SHIP. At the bottom, it says 'Showing 1 to 3 of 3 entries'.

#	Port Call	DO Number	NO SA ID	Vessel Name	SCN	Agent
1	MYKCH		NS230200059	VAST OCEAN 5	23020147	INTERCAR (KUCHING)
2	MYKCH		NS210900386	DANUM 160	21090857	HARBOUR-LINE
3	MYKCH		NS220300660	DANUM 160	22030324	SHIN YANG SHIP

The screenshot shows the Kuching Port Authority E-Delivery Order form. It includes fields for: Submission on behalf of (yellow bar), DO Number, Port Call, SCN, Agent, Expected Start Delivery Date, Expected End Delivery Date, Approval On, Vessel Name, and Forwarder. There is an 'Import From Manifest' button and a search bar. Below the search bar is a table with 5 columns: #, BL Number, Customs Declaration Number, Haulier, Consignee, and Consignee Address 1. The table is empty, and it says 'No data available in table' and 'Showing 0 to 0 of 0 entries'.

#	BL Number	Customs Declaration Number	Haulier	Consignee	Consignee Address 1
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6. 2021: Tablet-based Container Terminal Operating System.



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7. 2018: LED High-Mast Lighting



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8. 2017: Senari Terminal Perimeter lighting using solar power



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9. 2016: Warehouses – LED lighting



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10. 2015: Convert Quay Crane 1 and Quay Crane 2 from diesel to electric powered



VESSEL TRAFFIC MANAGEMENT SYSTEM (VTMS)

- ❑ VTMS can provide **real-time information** in coordinating and monitoring overall vessel traffic flow and control of the marine incident.
- ❑ Signalis (subsidiary of Airbus)
- ❑ 2 radar towers located at Kuching Barrage and Muara Tebas.



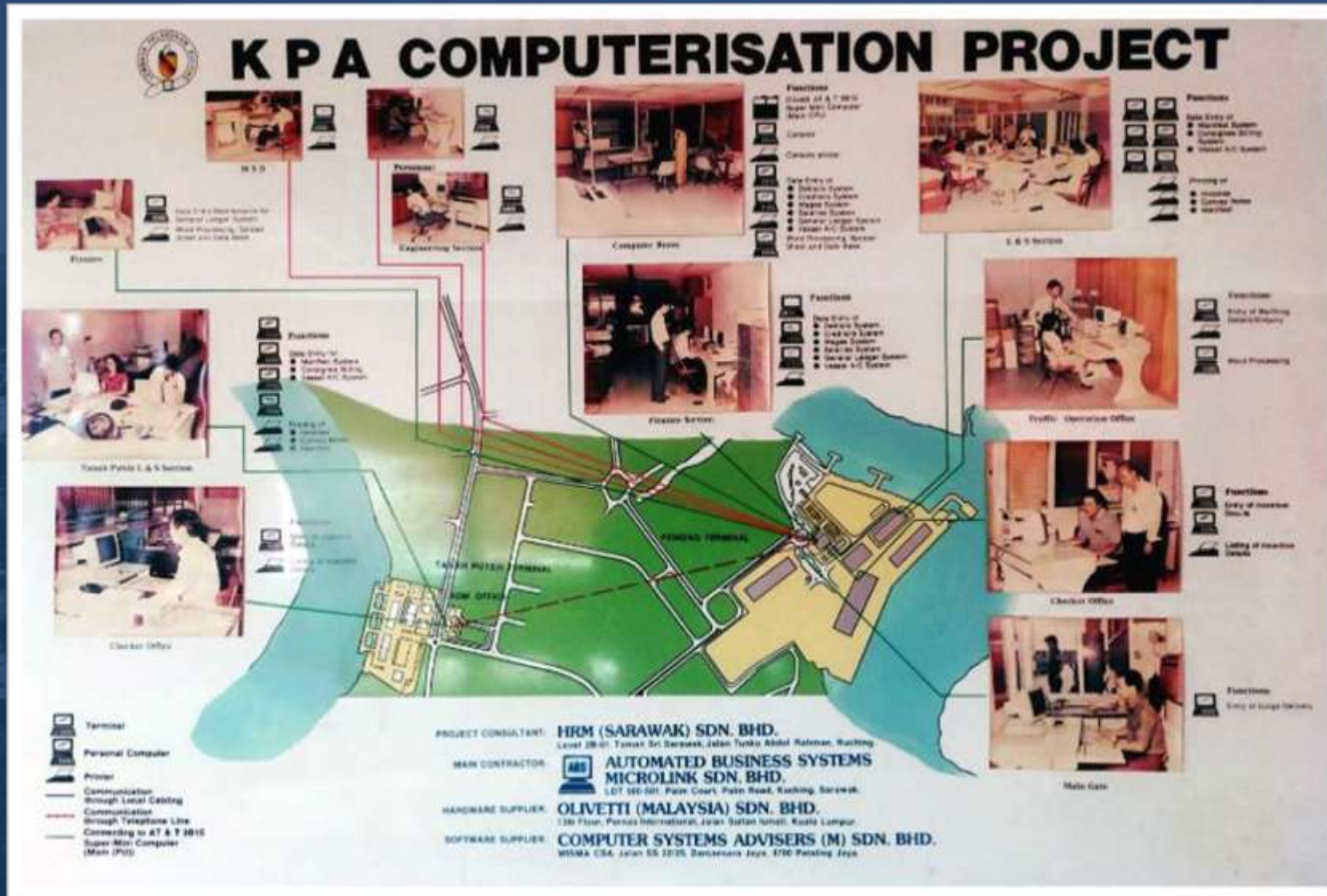
VTMS Coverage in Kuching



Radar tower



KUCHING PORT AUTHORITY IT DEVELOPMENT



Adoption of IT In 1998

Kuching Port Authority

Chronology of Green Port Initiatives

Future Green Initiatives:

1. Purchase of more electric-powered port equipment, e.g. Hybrid Rubber Tyre Gantry, Reach Stacker, Empty Container Handler, Forklift.
2. Digitalization of manual-based transactions using mobile devices and Optical Character Recognition technology.

CONTACT US

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THANK YOU