

# Facilitating a USD 1.4B iron ore distribution terminal

Providing a comprehensive Environmental Monitoring and Management Plan that minimises dredging impacts

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## Meeting environmental objectives

while maintaining desired production rate of dredging works



## On time and on budget

Dredging was completed on schedule with no unnecessary spending incurred



## Successful launch of facility

Our work contributed to the inauguration of the USD 1.4 billion maritime terminal

## Challenge

A new USD 1.4 billion iron ore distribution maritime terminal was in the pipeline in Teluk Rubiah, (Lumut) Malaysia. The project included the construction of a 1.8 km deep water jetty, which required comprehensive dredging works. Standard dredging mitigation measures were inadequate due to complex site conditions in the area.

Vale Malaysia Minerals Sdn Bhd needed a comprehensive Environmental Monitoring and Management Plan (EMMP) to keep dredging impacts to a minimum.

## Solution

We helped the client carry out a proactive EMMP alongside the dredging works, so that potential impacts could be more readily and accurately identified, as well as mitigated, as the project progressed.

### Solution highlights

- Working-with-nature approach
- Operational forecast and online monitoring of key environmental parameters
- Predicting and preventing potential impacts by adaptive management program



'This Environmental Monitoring Program was very successful and only possible because of the commitment and professionalism of everyone involved on this job.'

Marina Magalhães  
Environment Project Leader  
VALE



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