

## CHUGOKU MARINE PAINTS, LTD.



### CMP-MAP

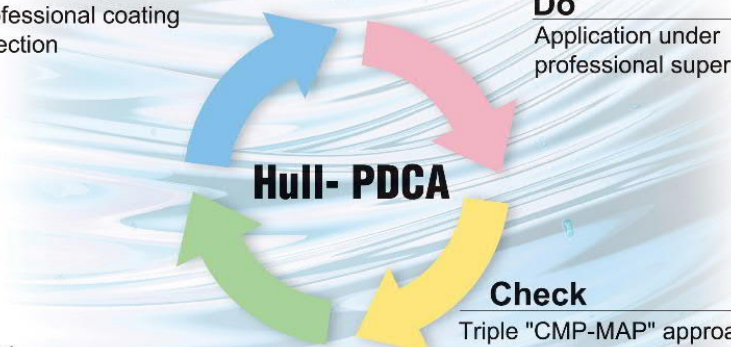
CMP - Monitoring & Analysis Program (CMP-MAP) developed based on our years of experience. The methods visualise the hull performance through the triple “CMP-MAP” approach. “FIR theory” visualises the effects of low-friction antifouling and surface treatment such as full blasting by Friction Increase Ratio calculated from roughness measured by 3D hull roughness analyser. “Performance analysis” visualises hull performance using performance indicator defined in ISO 19030. “Operational profile analysis” helps to find more appropriate antifouling specification using operational profile calculated by AIS or GPS data. The methods continuously improve hull performance through our original PDCA cycle called “Hull-PDCA”. CMP will provide the program as solution provider, also using the IoS-OP data platform.

#### Prediction & Planning

(Prediction by Triple "CMP-MAP" approach)  
Professional coating selection

#### Do

Application under professional supervision



#### Check

- Triple "CMP-MAP" approach
- ① FIR analysis (report)
  - ② Performance analysis (report)
  - ③ Operational profile analysis (report)

#### Act

Investigation of the "CMP-MAP" reports  
Solution for better performance

Potential client industries:  
Owner, Operator, Manager,  
Ship Building or Marine Industry, etc

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