

PMI Adaptive Cylinder Control (ACCo)

Everllence Asset+

Everllence takes engine tuning to the next level with Performance Measurement Indicator (PMI) Adaptive Cylinder Control. Using a patented algorithm, the closed-loop control ensures that each individual cylinder always operates at its optimal cylinder pressure. This gives your engine added functionality and the lowest possible fuel consumption at all times depending on how well the engine was tuned and operated by the crew with the standard feature PMI Autotuning.

Automatic engine tuning based on real-time monitoring

PMI ACCo is a fully automatic system that makes engine tuning easier than ever. Running PMI ACCo ensures you always have the lowest possible fuel consumption – and that includes automatic adjustment for fuel variations. For ME-C engines you also get slow steaming support and increased reliability from the improved engine tuning.

PMI ACCo is one of many Everllence Asset+ solutions helping you to keep your equipment state-of-the-art, comply with environmental regulations, and advance the decarbonization of your operations.



Lowest possible fuel consumption at all times

The algorithm adjusts each individual cylinder's fuel index and exhaust valve operation for optimal performance.



Slow steaming support

The system now automatically activates from 10 % engine load.



Increased reliability

If an individual PMI sensor fails, the affected cylinder's autotuning is deactivated while the remaining cylinders continue automatic operation.

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PMI ACCo

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PMI ACCo is a fully automatic system that constantly helps secure optimal engine tuning regardless of engine load, load range, load changes, and varying fuel calorific values.

PMI ACCo

helps make your engine more ...



Clean



Efficient

Improved performance compared with PMI Autotuning

| | PMI Autotuning | PMI ACCo |
|---|---------------------------------------|---|
| Activation of tuning | Activated when pressing button on MOP | Always activated above 10 % engine load |
| Load range | 25 – 100 % | 10 – 100 % |
| Stable fuel index needed for activation | Yes | No |
| Input calorific value of fuel | Yes | No |
| PMI pressure sensor failure | Whole system deactivated | Only specific cylinder deactivated |
| Average time of activation | 50 % | > 98 % |

Save on fuel

Depending on the load profile, fuel saving will be up to 1 g/kWh and may even increase lifetime of components, as the engine is operated more smoothly through even load distribution.

More information

Contact your local Everllence office for more information about the product and how it can improve your specific engine.

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Available for all ME-C engines

PMI ACCo is available for all Everllence B&W ME engines. It is provided as standard for all new dual-fuel and Mk. 10.7 engines, and can be added as an Asset+ product for all other ME engines.