

The output current is compared ($\boxed{2}$) in the FB ($\boxed{1}$), and the coefficient of determination is calculated ($\boxed{3}$). When the coefficient of determination falls below the threshold value set by the customer, it indicates that it is time to replace the consumable parts and perform maintenance.

Measurement date	Coefficient of determination	
Oct. 31	0.974599	Normal
Nov. 7	0.465249	Abnormal



Can be used for such purposes!

iQ-F Reborn solves "the problem" at the site!

No. **1** Predictive Maintenance

Predictive maintenance for AGV maintenance

Output current of the motor is collected for controlling AGV by FX. A long-term deterioration and trouble can be predicted by calculating a correlation between the actual measurement data and the normal value.

Wasteful

Preventive maintenance

Isn't there any way to make AGV maintenance more efficient?

Periodic inspection of a motor of AGV

Before

- The motor is periodically replaced even if it has no abnormalities.
- Lowering an operation rate by sudden trouble
- Personnel cost for maintenance

What is AGV

An abbreviation of Automatic Guided Vehicle, and it is a device for automatic conveying on behalf of human workers. AGVs are used in distribution warehouses, liquid crystal factories, semiconductor factories, etc.



*1: GX Works3 is necessary for creating programs and various parameter settings.

MITSUBISHI ELECTRIC CORPORATION

HEAD OFFICE: TOKYO BLDG., 2-7-3, MARUNOUCHI, CHIYODA-KU, TOKYO 100-8310, JAPAN http://Global.MitsubisbiElectric.com

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▲ Safety Warning

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