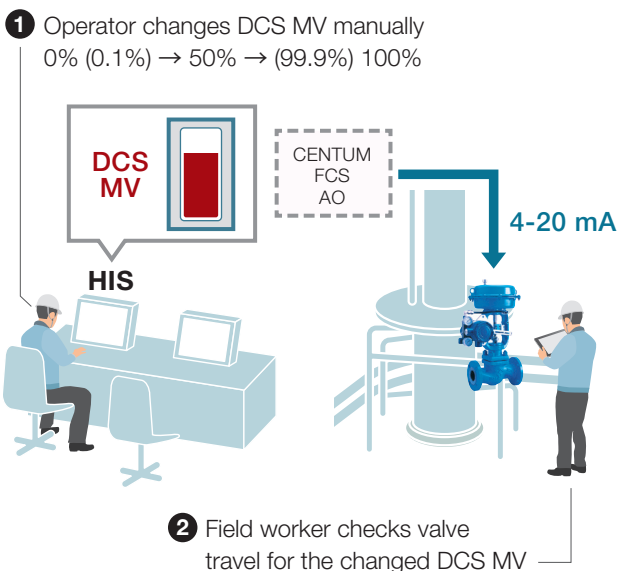


To Customers of Yokogawa PRM

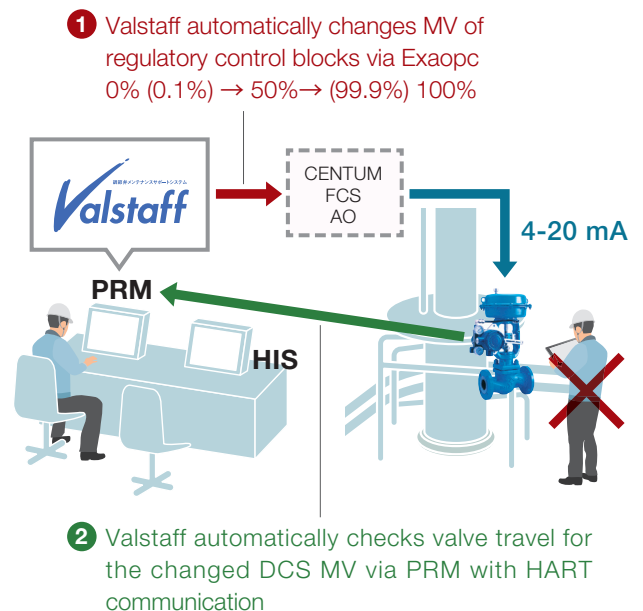
# After a major equipment change, experience dramatically more efficient loop check work using Valstaff on PRM!

- Reduce man-hours about 90%
- No dependence on judgment of individuals
- Automatically generated reports
- Valve travel measurement not dependent on angle of vision

## The Conventional Way



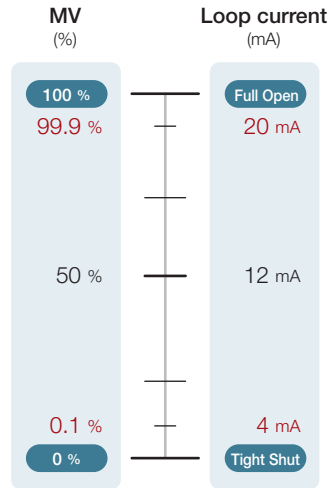
## The Valstaff Way



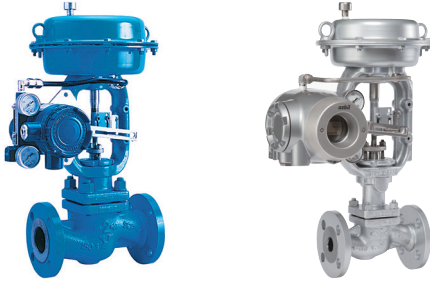
## What does Valstaff check?

- ✓ Whether the connection between the CENTUM tag and valve (valve positioner) is correct
- ✓ Whether the valve travel is the position instructed by the DCS MV
- ✓ Whether CENTUM's tight shut (0%, 0.1%) and full open (99.9%, 100%) values are appropriate
- ✓ Whether the minimum current required for HART communication is maintained when valve is shut tight

| Device Path         | Device Tag<br>(DCS Tag) | 0% (TS) |       | 0.1%    |      | 50%   |        | 99.9%   |         | 100% (FO) |      | Input<br>Characteristic | Result  | Date and Time |         |        |    |                     |
|---------------------|-------------------------|---------|-------|---------|------|-------|--------|---------|---------|-----------|------|-------------------------|---------|---------------|---------|--------|----|---------------------|
|                     |                         | Dev.    | Input | Travel  | Dev. | Input | Travel | Dev.    | Input   | Travel    | Dev. |                         |         |               | Input   | Travel |    |                     |
| AVP0001<br>(AO0001) | AVP700A                 | 4.008   | 0.035 | -0.4... |      |       |        | 12.0... | 49.9... | 50.0...   |      |                         | 19.9... | 99.9...       | 99.2... | Linear | OK | 01/15/2021 13:40:36 |
|                     | DUMMYS                  |         |       |         |      |       |        |         |         |           |      |                         |         |               |         |        |    |                     |



## Supported Valve Positioners



- Model AVP7\_ \_
- Model AVP302/202
- Model AVP307/207

Caution: For Model AVP 302/202, the Step Response Test can't be executed on PRM.

## Supported model AVP Flow Characteristics

|                  |            |
|------------------|------------|
| Linear           | Quick open |
| Equal percentage | Custom     |

## Manual and Automatic CENTUM AO Loop Check

|                  |  |
|------------------|--|
| <b>Manual</b>    | if MV cannot be written via Exaopc/HIS OPC |
| <b>Automatic</b> | if MV can be written via Exaopc/HIS OPC    |

Caution: Automatic execution is limited to CENTUM FCS regulatory control blocks. This function automatically changes the block mode to ROUT, executes the loop check, and automatically restores the original block mode.

Please read "Terms and Conditions" from the following URL before ordering and use.  
<https://www.azbil.com/products/factory/order.html>

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- CENTUM, Exaopc, and PRM are trademarks of Yokogawa Electric Corporation.
- Other product names, model numbers and company names may be trademarks of the respective company.

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