

## Concept for reorganization conductivity measurement



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## State

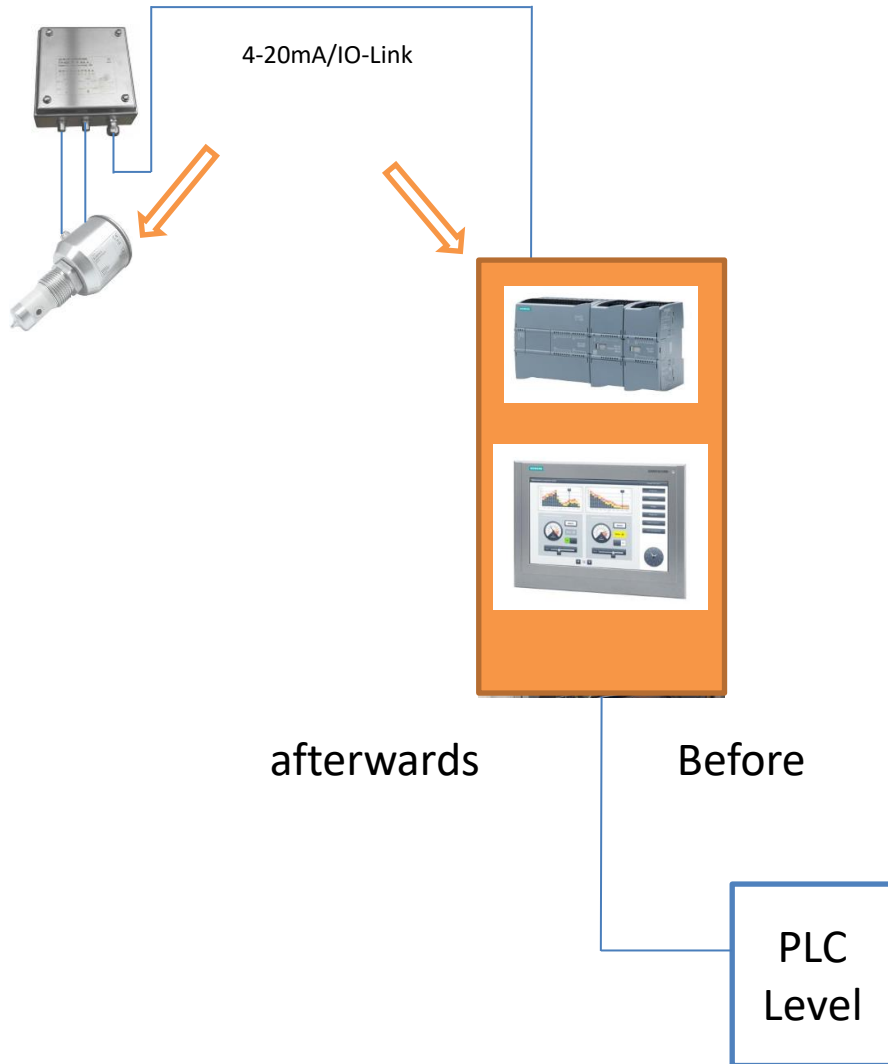
# Current measurement technology

- Conductivity meter in separate version (sensor and evaluation)
- Wiring in the control cabinet to the PLC level
- Separate electrical connection of the sensor on site
- Evaluation for each sensor individually

## Disadvantage

- No compatibility with other systems
- No Standard
- Exchange always possible only with the same systems
- Extensive parameterization and inspection of the systems

PLC  
Level



## Future Concept with new measurement technology

- Conductivity meter in a compact design (sensor incl. Evaluation)
- Wiring in the control cabinet directly on PLC with visualization
- Usage of the existing line to the previous sensor
- Evaluation of all sensors simultaneously

## Advantage

- Compatibility with other systems,
- Standard sensors
- Replacement of sensors by other products always possible
- Easy handling and inspection of the systems
- Future proof by 4-20mA standard or future procedures
- Space saving installation
- Cost-effective construction



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