



TECHNOLOGY INTEGRATION

INNOVATION

#Change is happening...





TECHNOLOGY INTEGRATION

INNOVATION

Bypasses #today! Displays Lock List Paper **Events ×**-**Different between** Takes a lot of time **Continious manual** "Extra Uniformity burdon/time" automation and dedication maintance & between configuration automation systems "Short" bypassen **Accuracy depends** systems After the facts on available time are not covered No analysis "Blocks" operator No bypass Manual analysis is Snapshot (what is No managment still required information on know) ("sdfg..." effect) over overview Still a lot of Snapshot (=how No history or No managment or Manual manual work accurate?) control of bypasses logging 3% 83% 8% 5% 1% Toph For Brinder



#awareness!?



Do you have a live overview of all currently active bypasses?

Do you have quick acces for bypass information?





TECHNOLOGY INTEGRATION

INNOVATION

#awareness!?



Do you verify the activation time of an actived bypass?

Do you verify your request? Is the correct bypass activated?





TECHNOLOGY INTEGRATION

INNOVATION

#awareness!?



Do you have quick acces to different analytics? Most Bypassed, Frequent reasons, History?





TECHNOLOGY INTEGRATION

INNOVATION

#awareness!?









TECHNOLOGY INTEGRATION

INNOVATION

· · · · ·

#awareness!?





Can you look for bypasses actived during a shutdown?





Solution? #InControl!









- Request bypasses and groups (with attachments)
- Timings (requested, remaining, active,...)
- Additional details and timeline history for every request or unrequested bypass





- Create your own visualizations/dashboards
- Online connection and offline possibilty
- Live descriptions from your DCS possible
 - **Control over detection times (min time active)**









0

- TOP
 - Requested bypasses
 - Unrequested bypasses
 - Reasons
- Timeline of individual bypasses
- Day and workflow analytics









- Multiple workflows (e.g. SIL0, SIL1, simulation,...)
- Customizable: Trigger Parameter, Description, Value
- Approvals
- Notifications











- Full event and datalogging for advanced user analytics
- System and audit events
- Export functionality









•



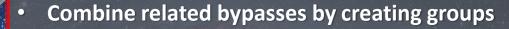
- Seperate interface for approvals based on roles and permissions
- Default motivations for approval
- Quickly view attachements and timeline that come with the bypass











- Quick and easy to manage
- Create shutdown group (multiple bypasses and hold monitors). Gives operator live overview of what needs to be bypassed (verification)











- Accessible everywhere through modern web technologies
- Notifications and approvals can be configured through a dedicated application
 - "Swipe" to approve or disapprove









Relationships are the most important!



- Features and specfic customer request
- Relationship portal for
 - Bugs
 - New features
 - Latest update and news







Solution? #InControl!





Value!? For the #company

ΔυτοΜΑΤΙΟ

TECHNOLOGY INTEGRATIO

Adding value

You can use your own procedures, templates
and existing infrastructure and apply it on
different automation systems

Company

What is my additional value and why does my company need this?

The reasons

Minimal impact on change management and easy integration with existing infrastructure all in one application conform international safety standard IEC 61511



Value!? For the #company

AUTOMATION

Adding value

Close relationship with Intation and its development team

Company

What is my additional value and why does my company need this?



TECHNOLOGY INTEGRATION

<u>The reasons</u> Quick and direct solutions on specific customer request



Value!? For the #management

Adding value

Detect every bypass and analyze all the required data through advanced analytics

Management

What is my additional value and why does my management need this?

The reasons

Detect improvements for your automation configuration, possible risks and make your process more lean and reliable



Value!? For the #management

Adding value



Transforming bypass procedures to a lean process. By default audit logs for external audits

Management

What is my additional value and why does my management need this?



The reasons

Create minimal overhead (waste), measure workflow perfomance, which results in more efficiency and focus on your personal and company goals.



Value!? For the #operators

AUTOMATIO

TECHNOLOGY INTEGRATIO

Adding value

Follow and track the procedures independant from the process or activities and have a live confirmation and verification of your requested bypass

Operators

What is my additional value and why does my operators need this?

The reasons

Eliminating human errors, live information on one bypass dashboard and increasing reliability and safety in the field



TECHNOLOGY INTEGRATION

INNOVATION

Pricing!? Keep it short & simple!





natic

dge ⁻ to ac INNOVATION

Conclusion... #Questions...?



Conform international safety standards. Important for insurances

Applicable on different types of systems

Making your procedures Industry 4.0

SERVICES

Control the evolution of your plant by integrating the right technologies.

DN



INTEGRATION

INOPERATION



In depth insight in your bypass events and data

Flexible control of your approvals

Efficient and easy procedures (LEAN)

PRODUCTS

Monitoring and control of new or existing DCS, PLC and wireless systems.

INCONTROL

INWAVE

INDOCUMENTATION



Less overhead and quick request (LEAN)

Operators are not blocked by procedures

Live overview of all bypasses and requests

INNOVATION

Next generation technologies, an added value for the future.

INDUSTRY 4.0

AUGMENTED R.

WIRELESS