



Smart Tooling

Workshop Werkplaats Innovatie

Proceedix & Iristick

Interreg
Vlaanderen-Nederland



Europese Fonds voor Regionale Ontwikkeling

 **BEMAS**

 **sirris**
driving industry by technology

KIK|MPI
Kennis- en innovatiecentrum
Maintenance Procesindustrie



Reality@work



CLEANING INSTRUCTION CARD		Task No.
Section	Description	HSULR 96A
Responsible	W-SULR 96A	Frequency: Weekly
Department Area	Hot Smoke Unit Low Risk	Total Duration: 10.0 minutes
Non-to-be cleaned	Ness Kit D and Smoke Box	Method: Foam Cleaning
Responsibility / Assistance		Pre-game Monitoring - Risk Assessment
1. Owned by	Regulators	Not Required
2. Prepared by	Regulators	Not Required
3. Reported by	Supervisor	Not Required
4.	Not Applicable	Not Required
		On completion of cleaning procedure this CIP must be checked off by another supervisor. This CIP must be signed off by supervisor.
Special Instructions / Procedures		Personal Protective Equipment
1. Ensure all nozzles are sprayed clean before being removed. 2. Walk around unit in other direction. 3. Put PPE acoustic work. 4. Only handle equipment to carry out CIP.		
Designated Application		Designated Area of Cleaning
On Designated Day of Cleaning		On Designated Day of Cleaning
Foamklenz Super	<input checked="" type="checkbox"/>	Mata OnRoX F2
Concentrate	<input type="checkbox"/>	Concentrate
(conc. 2%) 1L	1L	(conc. 2%) 1L
Concentrate (2%) 1L	1L	Concentrate (2%) 1L
1. Ensure kiln is empty and fire frost is off. 2. Ensure no production is being carried out. 3. Remove any grime debris and put in container. 4. Rinse all surfaces with clean fresh water until no debris is visible. 5. Ensure pressure gauge in the smoke showing pressure to operate the self cleaning system is at 4 bar. 6. Inside kiln remove cleaning grills and fit for cleaning. 7. Remove caps on the ceiling of the kiln bars. SMOKE BOX: 1. Open smoke box door and remove a catch plate and set to a clean surface. 2. Place a clean catch plate on the smoke box if a suitable waste container. 3. Rinse smoke box with clean fresh water to remove any remaining debris. 4. Apply a 2% 5% 'Foamklenz' solution directly to the smoke box and all areas. 5. Allow a minimum of 20 minute dwell time. 6. Scrub any remaining debris from the smoke box using particular steel undersized and inside of the smoke box. 7. Give a final rinse with water and dry the smoke box. 8. Visually inspect to ensure all trash debris is removed. 9. If debris is necessary 10. Spray all surfaces with a 1% dilution of the foam cleaner. 11. Replace removed parts. KDN: 1. Place a drum of sand. <i>Important:</i> remove sand and place the pick-up!		removing debris. 4. Apply a 2% 5% 'Foamklenz' solution directly to the smoke box and all areas. 5. Allow a minimum of 20 minute dwell time. 6. Scrub any remaining debris from the smoke box using particular steel undersized and inside of the smoke box. 7. Give a final rinse with water and dry the smoke box. 8. Visually inspect to ensure all trash debris is removed. 9. If debris is necessary 10. Spray all surfaces with a 1% dilution of the foam cleaner. 11. Replace removed parts.
Other Information		Key Inspection Points
Take temperature reading during cleaning cycle, record date		1. Cleaning Unit 2. Ness Kit Cap 3. Ness Kit Grille 4. Smoke Box
CONTROLED DOCUMENT		5. Smoke Box 6. Smoke Handle 7. Smoke Pipe 8. Smoke Pier Plate 9. Urgege - Control



Documents@work

No execution trace



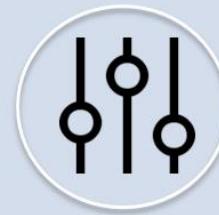
Not matching with real workflow



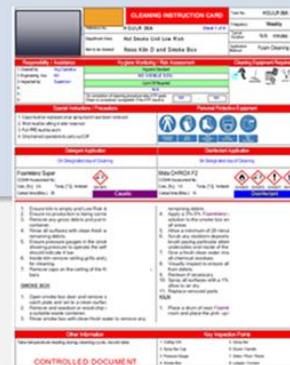
No/limited feedback



No content personalization



ENTITY=DOCUMENT



LAYOUT = PAGE



Good for reading
Not while working



Not compatible with wearables



Not compatible with personal assistance tech



Environment@work

- ▶ @ shop floor/field
 - ▶ PPM requirements?
 - ▶ Safety risks?
 - ▶ Tools at hand?
 - ▶ Shift=8hrs
- ▶ @ classroom
 - ▶ Secure environment
 - ▶ Controlled situation
 - ▶ Lesson=1hr





Guiding@work



Clear language & snackable in a blink



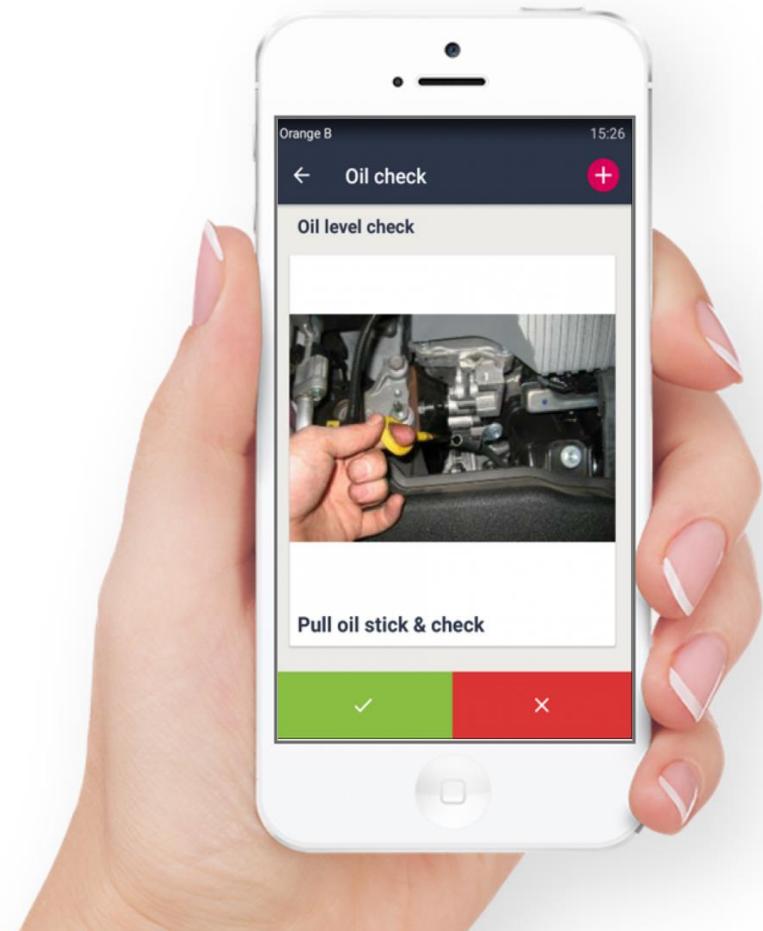
Accessible while working (mobile/wearable)



Matching my real workflow



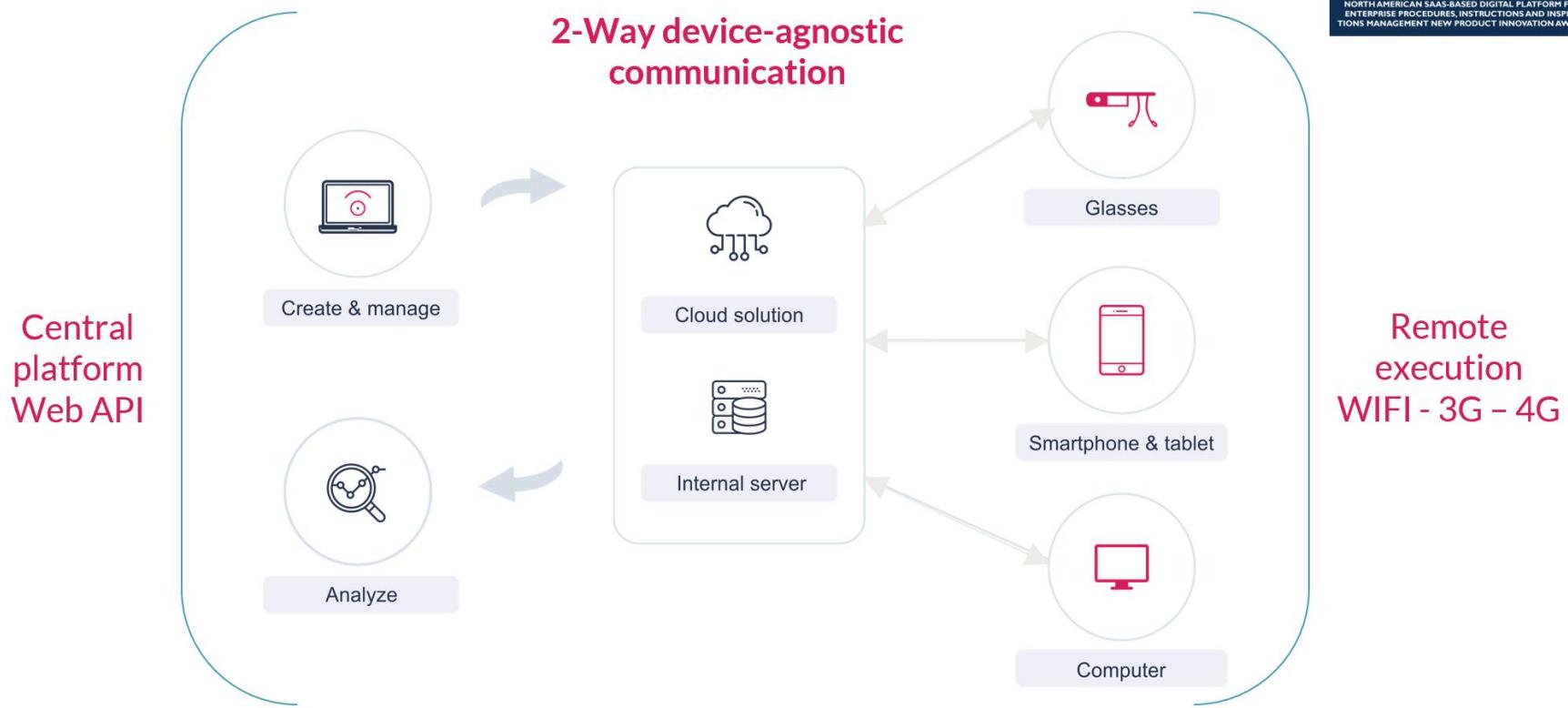
Matching my information needs (skill level)





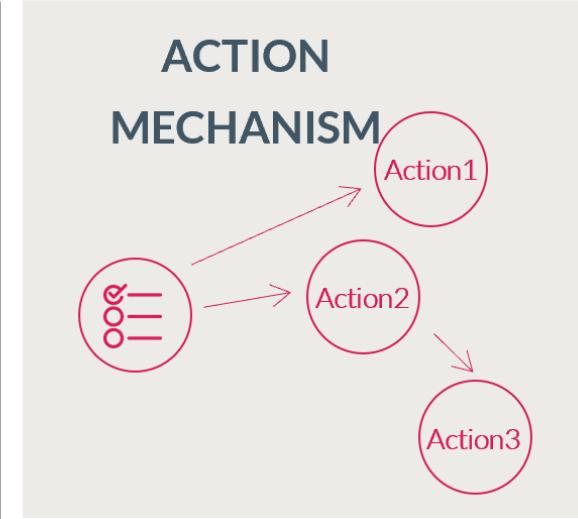
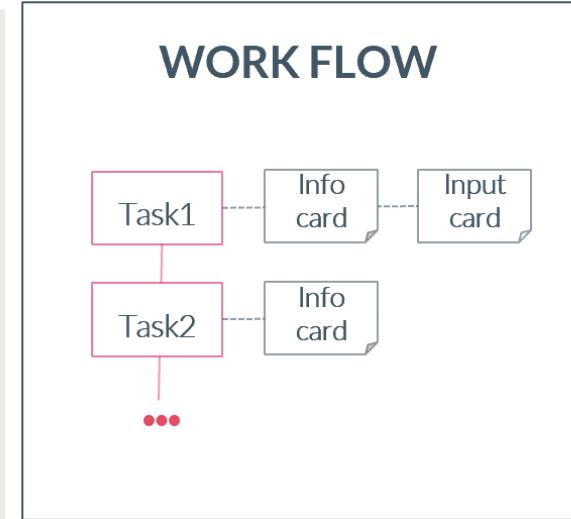
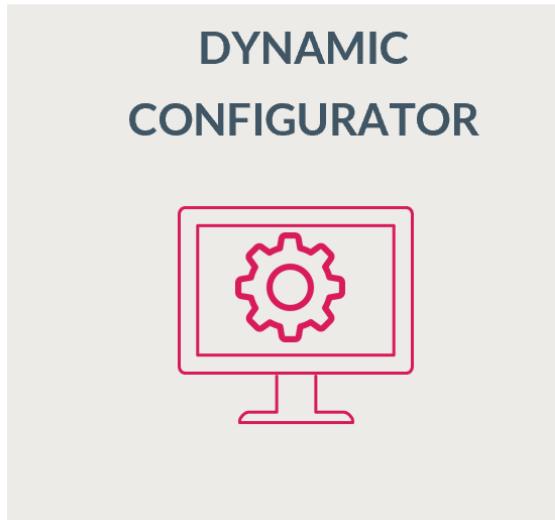
Proceedix@work

A DIGITAL WORKFLOW PLATFORM



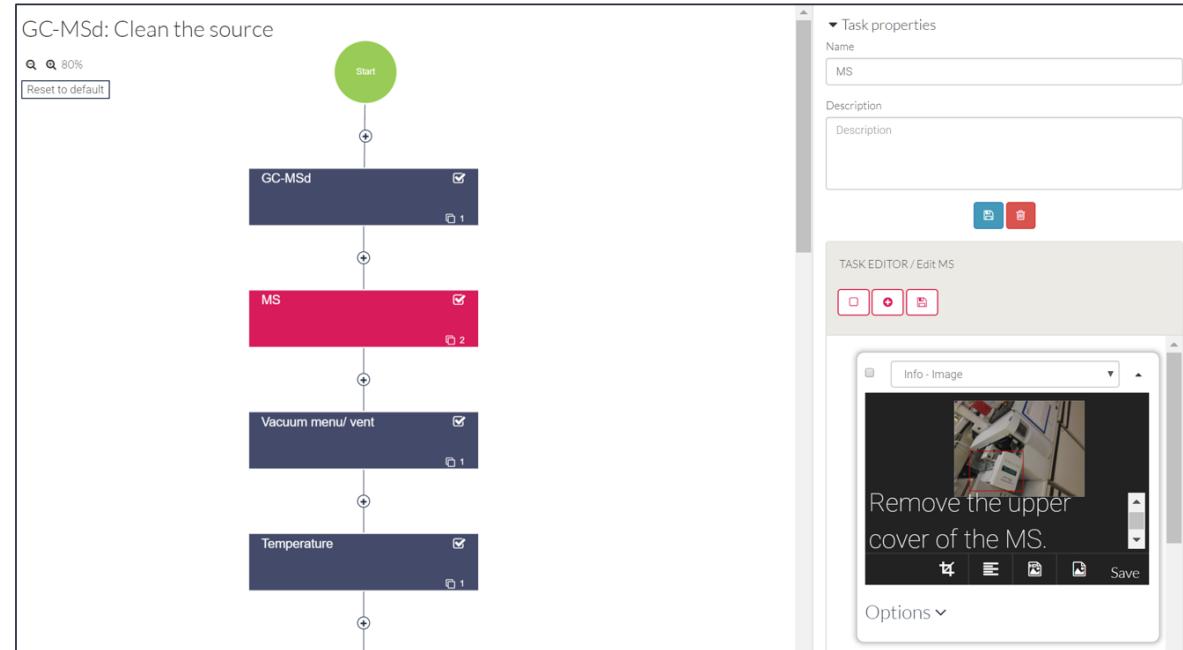


Core@proceedix





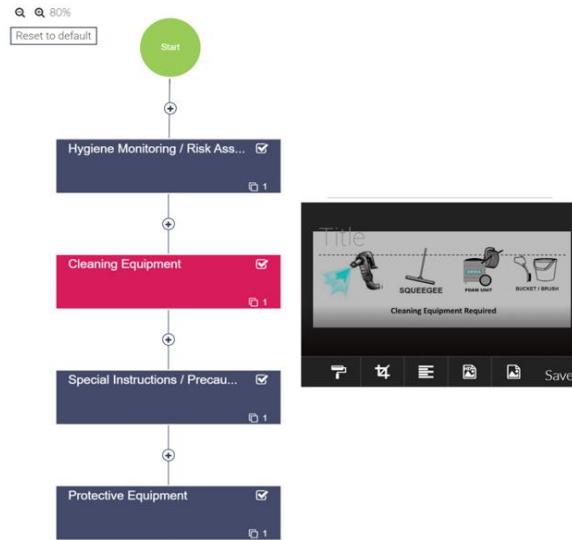
From document to workflow



Workflow execution



Cleaning Instruction Smoke Boxes





Glasses@work





Smart glasses technology

- ▶ AR-MR Goggles/glasses



Classroom

- ▶ Assisted Reality Glasses



Shop floor/field



comfort@wearer



 **Iristick**

- Comfort
 - 72 gr
 - Red Dot Design Award
 - Bendable ears
 - Adjustable nosepads
- Safety certified
 - EN-166
 - ANSI Z87.1
- No heat or WiFi near temple



Features@Iristick



 **Iristick**

Interreg 
Vlaanderen-Nederland
Europees Fonds voor Regionale Ontwikkeling

- Central camera
- 5x optical zoom, laserpointer and flashlight
- Touchpad
- Embedded microphones and speakers
- 3-axis adjustable display



Why Proceedix?



EXECUTION FOCUS

Designed for deskless people at work



WORKFLOW POWER

Guiding processes and escalation actions (patent)



DEVICE AGNOSTIC

Leveraging desktop, mobile and wearable technology



ENTERPRISE ARCHITECTURE

Integration API and Micro-services architecture to embed and to customize

The only device agnostic platform capable to guide deskless workers executing complex instructions and inspection processes



Why Irystick?

- ➤Most comfortable frame: **balanced & lowest weight**
- ➤**6 times the battery life**
- ➤Over **4 times the processing power**
- ➤Over **10 times the zooming power**
- ➤**4000 times less BT/Wifi radiation** near temple
- ➤**Heat dissipation** near temple **36% lower**