

SAFETY GALA ALBANIA

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TRANS ADRIATIC PIPELINE AG



TAP Electronic Systems

Jose de la Torre

**Senior Manager QHSE, Land, Permitting and Stakeholder Management
Tran Adriatic Pipeline (TAP)**

TAP e-Tools

HSE Management System (Agora)

Benefits: From paper based to electronic PtW System

- Easier management of permits
- Key persons have full visibility, total control of the PtWs
- The system automatically identifies the upcoming expirations and potential works conflict (SimOps)

e-PtW (MoWo)

- Mobility/flexibility – PtW Users can manage permits while on the move
- More accurate compliance with health and safety
- Increased functionality to manage work and risk
- Significantly easier and faster to implement PtW process
- Enables data to be analysed
- Complex works that may require multiple permits and Isolations can be grouped by the system
- No need for re-writing duplicate permits when a permit needs to be reissued or extended.

- Permits are quicker to be found search functionalities

Work Force Management (WMF)

- Generally, e-PTW system provides the possibility to share information and to have interfaces with other tools.

Goal: TAP PtW system to be upgraded to operational excellence

e-PtW Home Page

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Work Summary

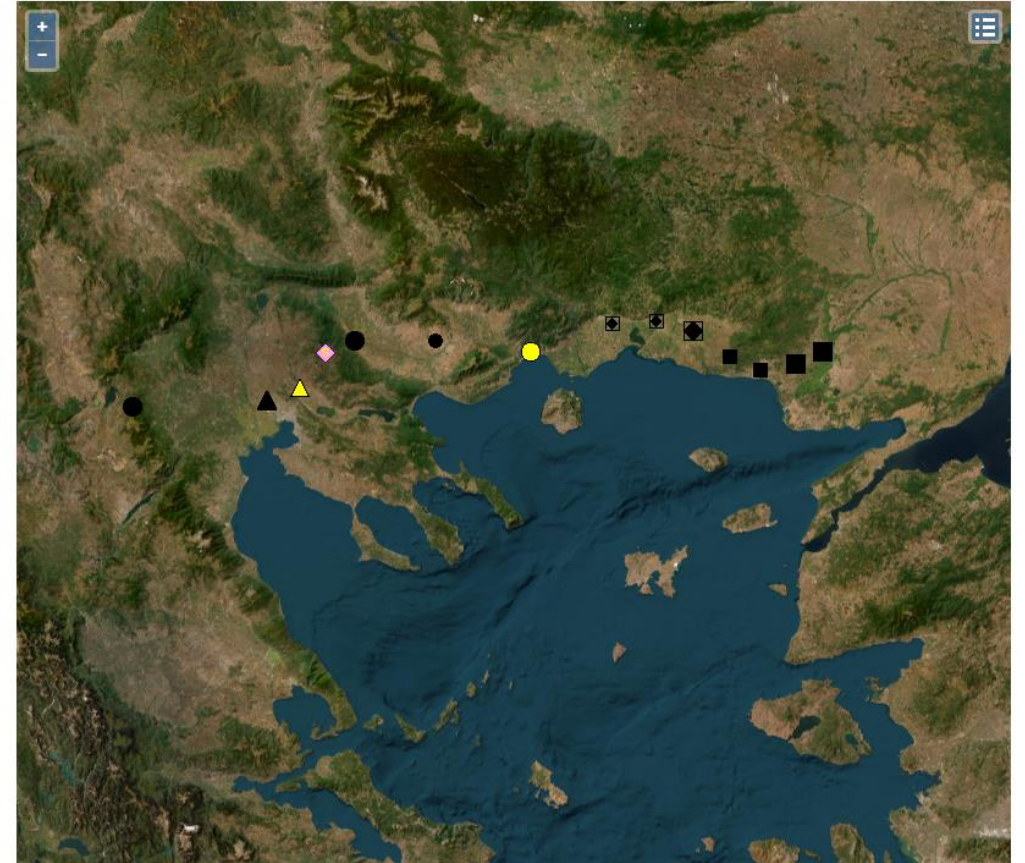
ASSIGNED WORK - ALL ACTIVITIES 🔄 ▼

ID	State	Title	Start Date
No results			

WORK ACTIVITY - GREECE PTW L0 L1 L2 REQUESTED, LIVE AND SUSPENDED 🔄 ▼

ID	State	Title	Start Date
48663	🟡	GR-GSC00-TDW-2024-Mobile Phone & Laptop Use in ISOBOX	
46627	🟡	GR-GSC00-EKME-2024-Mobile Phone & Laptop Use in ISOBOX	
32300	🔴	GR-GCS00-TAP-2023-GCS00 DISINFECTION	19/02/2023
34655	🔴	GR-ROW (409.3-411.8)-TAP-2023- Supervision of DESFA's Parallel to TAP...	09/06/2023
35599	🔴	GR-ROW (448.9-449.6)-TAP-2023- Supervision of DESFA's Parallel to TAP...	03/08/2023
36105	🟢	GR-GCS00-DESFA-2023 - CEMS Analyzer replacement GT Unit 2	05/09/2023
42392	🟡	GR-GCS00-DESFA-2024 Function Test Diesel Generators & Lubrication Oil...	30/01/2024

MAP WIDGET - GREECE PTW L0 L1 L2 REQUESTED, LIVE AND SUSPENDED 🔄 ▼

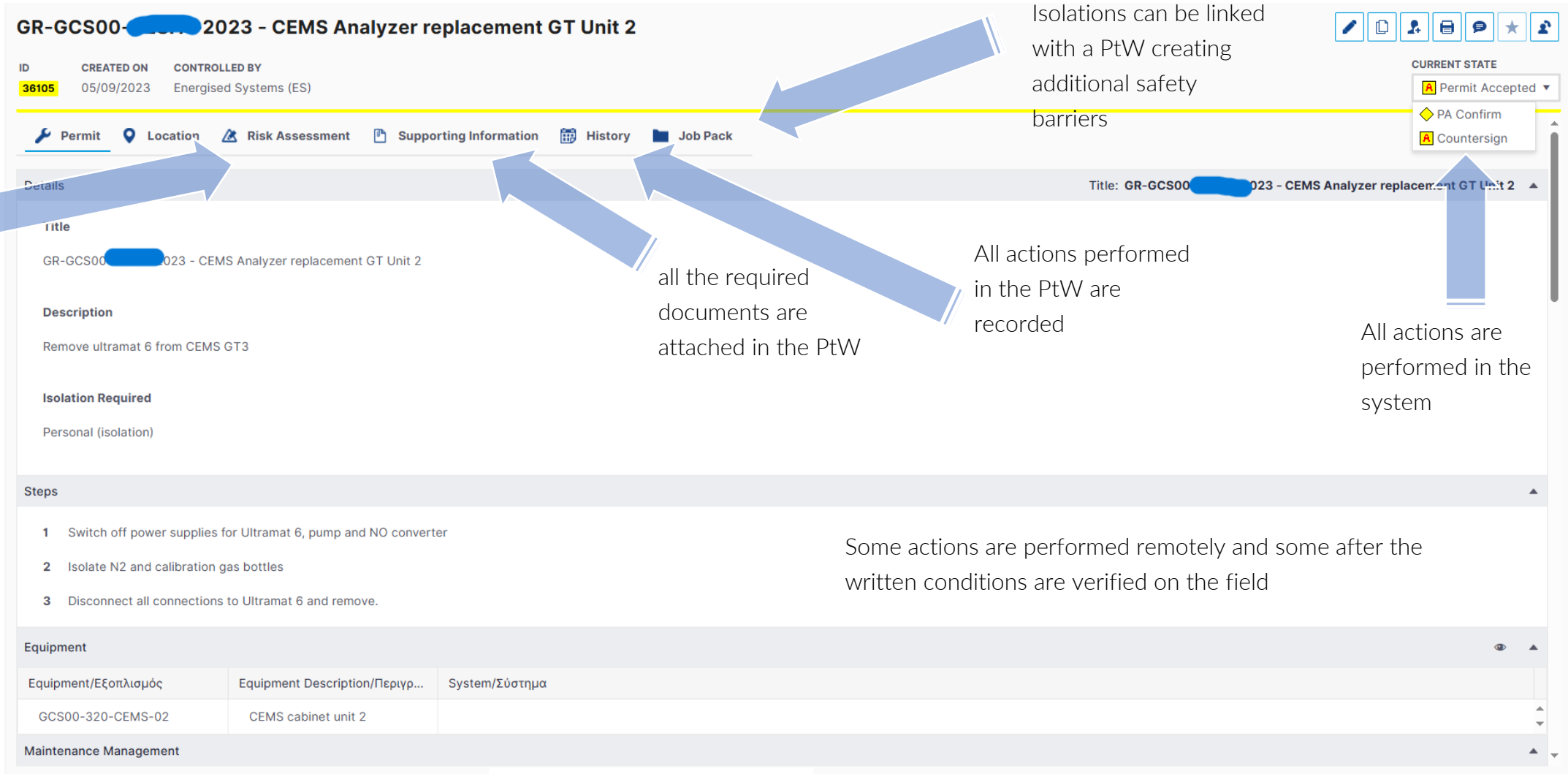


e-PtW

Based on the role, each user is assigned to perform a particular action in a PtW

Each PtW shall have a risk Assessment

Everything is reviewed and verified by the key PtW role (IssA)



GR-GCS00-36105 2023 - CEMS Analyzer replacement GT Unit 2

ID: 36105 | CREATED ON: 05/09/2023 | CONTROLLED BY: Energised Systems (ES)

Permit | Location | Risk Assessment | Supporting Information | History | Job Pack

Details

Title: GR-GCS00-36105 2023 - CEMS Analyzer replacement GT Unit 2

Description: Remove ultramat 6 from CEMS GT3

Isolation Required: Personal (isolation)

Steps

- 1 Switch off power supplies for Ultramat 6, pump and NO converter
- 2 Isolate N2 and calibration gas bottles
- 3 Disconnect all connections to Ultramat 6 and remove.

Equipment/Εξοπλισμός	Equipment Description/Περιγραφή	System/Σύστημα
GCS00-320-CEMS-02	CEMS cabinet unit 2	

Maintenance Management

CURRENT STATE

- Permit Accepted
- PA Confirm
- Countersign

Isolations can be linked with a PtW creating additional safety barriers

all the required documents are attached in the PtW

All actions performed in the PtW are recorded

All actions are performed in the system

Some actions are performed remotely and some after the written conditions are verified on the field

TAP HSE e-tool

Purpose:

The HSE MS e-tool will be the primary tool used to monitor HSE:

- Implementing TAP procedures
- HSE performance



Agora Modules

- Contractors' Control
- Competence
- Incident and Investigation Report and LL
- Environment
 - SDS
 - Waste Control
 - Pollution Control
- Action Tracker
- Risk Assessment

Select environment

INCIDENTS



RISKS ASSESSMENT



CONTRACTORS



COMPETENCE



MAIN CONFIG



WASTE



ACTION TRACKER



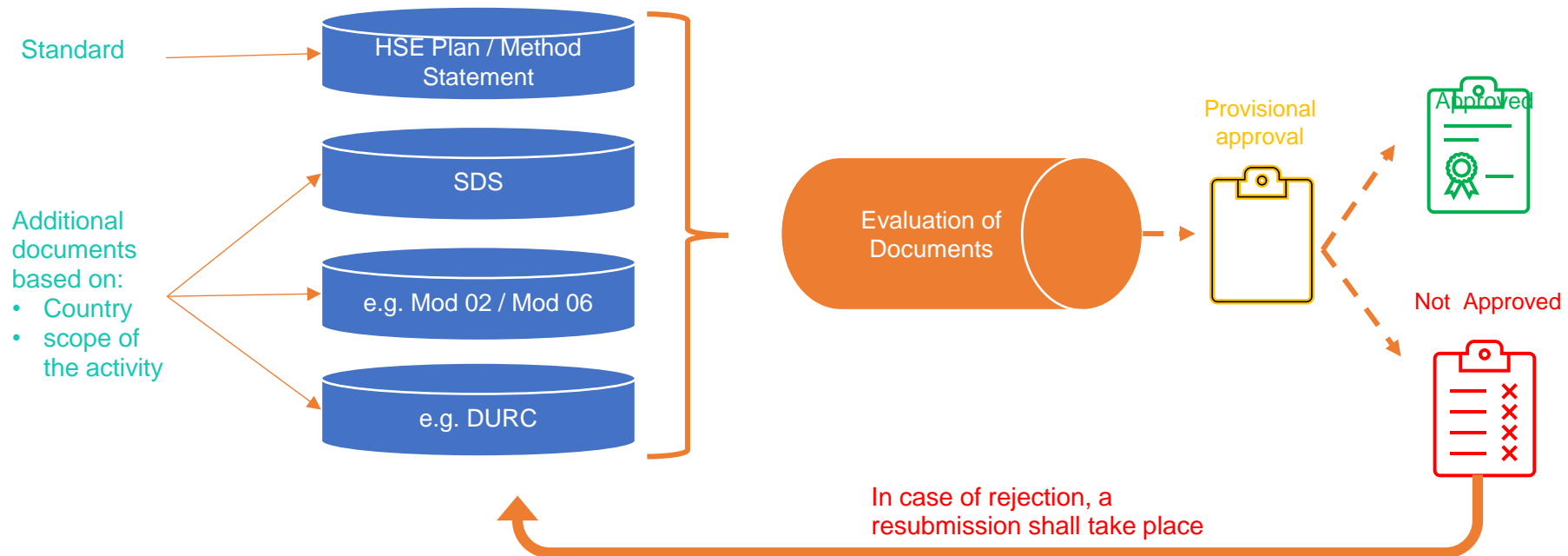
Contractor's Control: Company & Staff

This module is for TAP Contractors and Sub Contractors: Companies and Staff Registration

TAP will ensure alignment of Contractors with TAP's HSE MS based on:

- Minimum Standards For Contractors
- Management of Contractors Procedure
- HSE Legal requirements

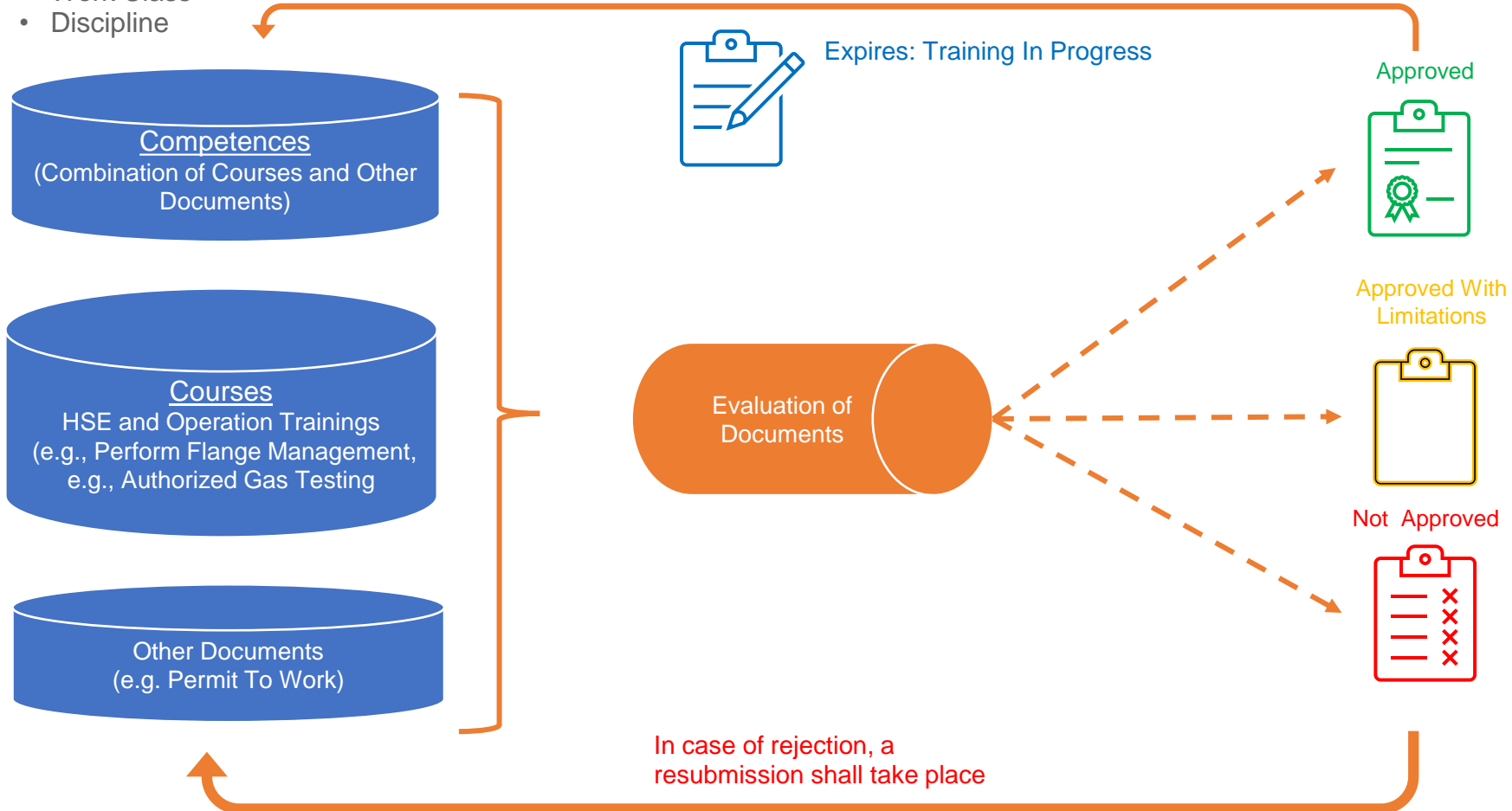
Company Registration Flow Chart



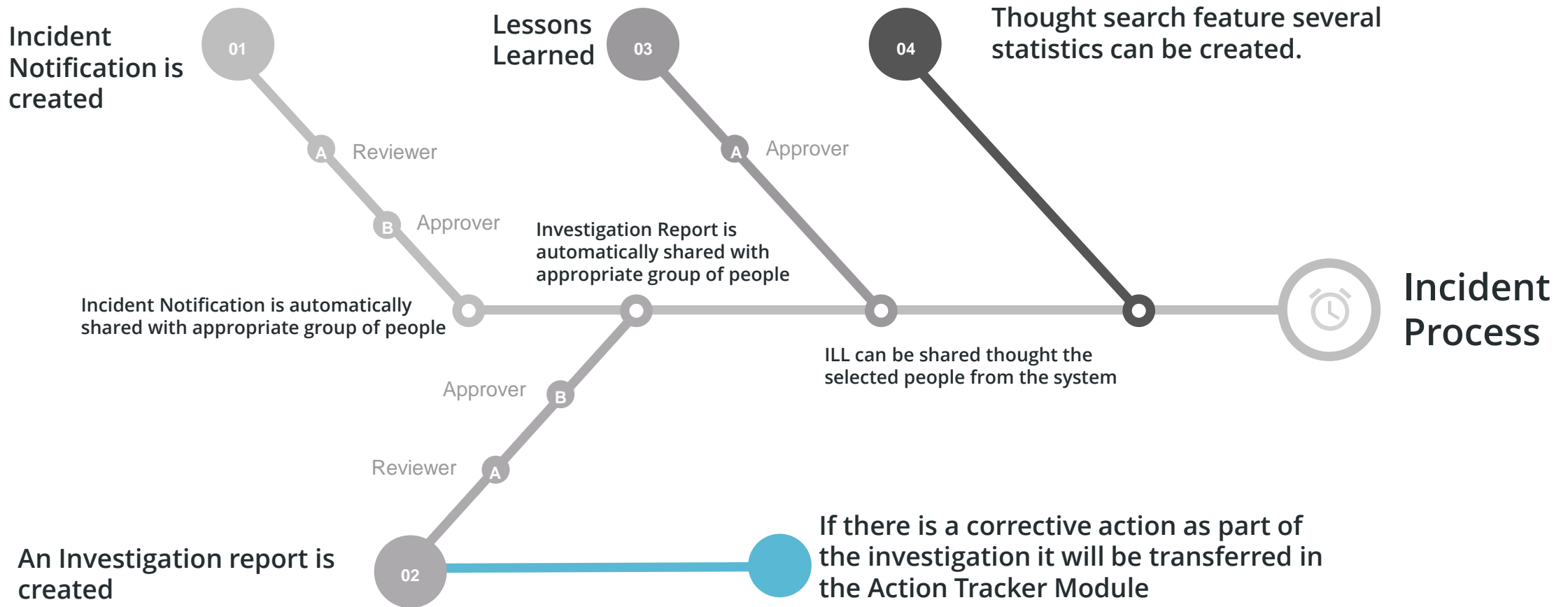
TAP and Main Contractors Staff Flow Chart

Documents based on:

- Site
- Role
- Work Class
- Discipline




Incident Module and Lessons Learned



Incident Module and Lessons Learned

All content is dummy



Document title: Incident Notification Form

Document ref: N-6-COROV-145

Classification: CONFIDENTIAL

Incident Notification Form

Send completed form to TAP-HSE-Incident-Notification@tap-ag.com

Employment Information			
Notification initiator	Gabriele Lanza	Company/Organisation	Trans Adriatic Pipeline
Date (dd/mm/yyyy)	16/05/2024	Time	16:27
Contact Number	0041799265614		
Other Contact Number	0030 69415293496		
Notification received by	Andrew Allday		

Incident Details			
Date (dd/mm/yyyy)	07/05/2024	Time	09:00
Location	Corovode		
Main activity	Pipeline technical check May 2024		
Type of Incident	Damage Asset		
Work process involved	Technical check		
Description of event(s)	Incident occurred during the pipeline technical check performed by the local technical team in Corovode Albania on the 9th of May 2024.		

Assistance Provided

Description of assistance received at site

The local technical team in Corovode Albania has provided the necessary assistance.

Assistance requested externally (e.g. ambulance; doctors; fire; rescue; police etc)

No

What is the status of the incident?

Unknown
 Under control
 Steady state
 Escalating
 New hazards
 Ongoing
 Isolated
 Over

Data Protection: Trans Adriatic Pipeline AG (TAP) shall use the information contained in this form for the analysis and investigation of the HSE incident reported in this form, for required filings (e.g., regarding insurance claims) and for improving TAP's HSE compliance. TAP shall process personal information contained in this form in accordance with the TAP Data Protection Policy and applicable law.

INCIDENT REPORT FROM IR r-78
 Trans Adriatic Pipeline

1. GENERAL INFO

TYPE OF REPORT *	Full report
CASE TYPE *	Near Miss Infringement
INCIDENT TYPE *	Work Related
IN CHARGE OF CASE *	Elias Bardi

2. WHERE AND WHAT

TITLE *	Daily check activities in Ptolemaida		
DATE *	05/09/2023	TIME (HH:mm) *	09:08
LOCATION *	Ptolemaida, Greece		
WORKPLACE	Ptolemaida		
PROJECT NUMBER	Ptolemaida		
CLIENT	TAP (Trans Adriatic Pipeline)		
CASE CATEGORIZATION *	Near Miss Infringement		
DESCRIPTION *	an unexpected gas released has occurred during a routine check activity.		

3. GENERAL CLASSIFICATION

COMPANY INVOLVED *	Ervin.D
TAP 8 Golden Rules	Energy Isolation

4. CONSEQUENCE

4.2 ENVIRONMENTAL, SOCIAL & CULTURAL HERITAGE

CATEGORY *	Near Miss Infringement		
ENVIRONMENTAL TYPE *	Social	VOLUME	100
SUBSTANCE TYPE *	Social	DURATION	60
DESCRIPTION *	Environmental, social & cultural heritage, Reputatin related to the incident and investigation Report of the Incident N-GR-PTOLE-78		

4.3 FIRE EXPLOSION

FIRE CATEGORY *	Near Miss Infringement
FIRE TYPE *	
IGNATION SOURCES *	

4.6 REPUTATION

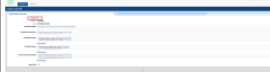
CATEGORY *	Near Miss Infringement
LOSS	3000

5. LOSS POTENTIAL * (See attachment Risk Matrix)

MOST PROBABLE RECURRENCE FREQUENCY *	NOT LIKELY TO OCCUR
SEVERITY	4 - SUBSTANTIAL (8)

Lesson Learned N° - LL-6-COROV-N130

Corovode Testing March 2024

Place: Albania	Location: Corovode	Date: 22/03/2024	Photos: 
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Events Description:
Description of events March Control Activities Albania 2024

Possible Consequences:
Possible Consequences details Incident Albania 2024

Immediate Actions:

- Immediate Actions details text testing 17.05.2024
- Immediate Actions details text ii testing 17.05.2024

Possible Reasons:

- Possible reasons details text testing 17.05.2024
- Possible reasons details text testing 17.05.2024

Lesson Learned Conclusion:

- Lesson Learned Conclusion text testing 17.05.2024
- Lesson Learned Conclusion text testing 17.05.2024

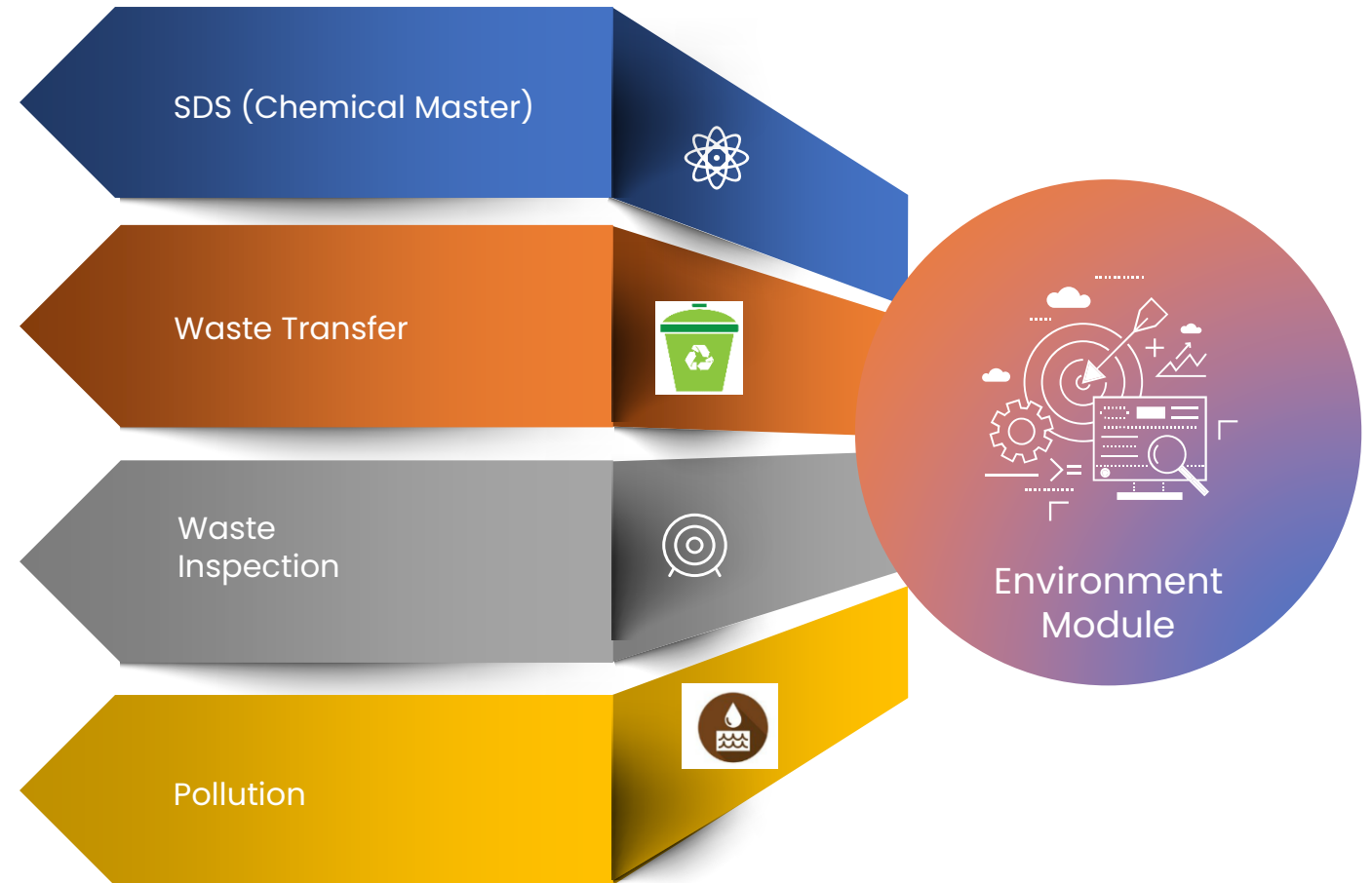
Environment

All SDS of all hazardous materials have been uploaded in the system and they can be divided per country and per site

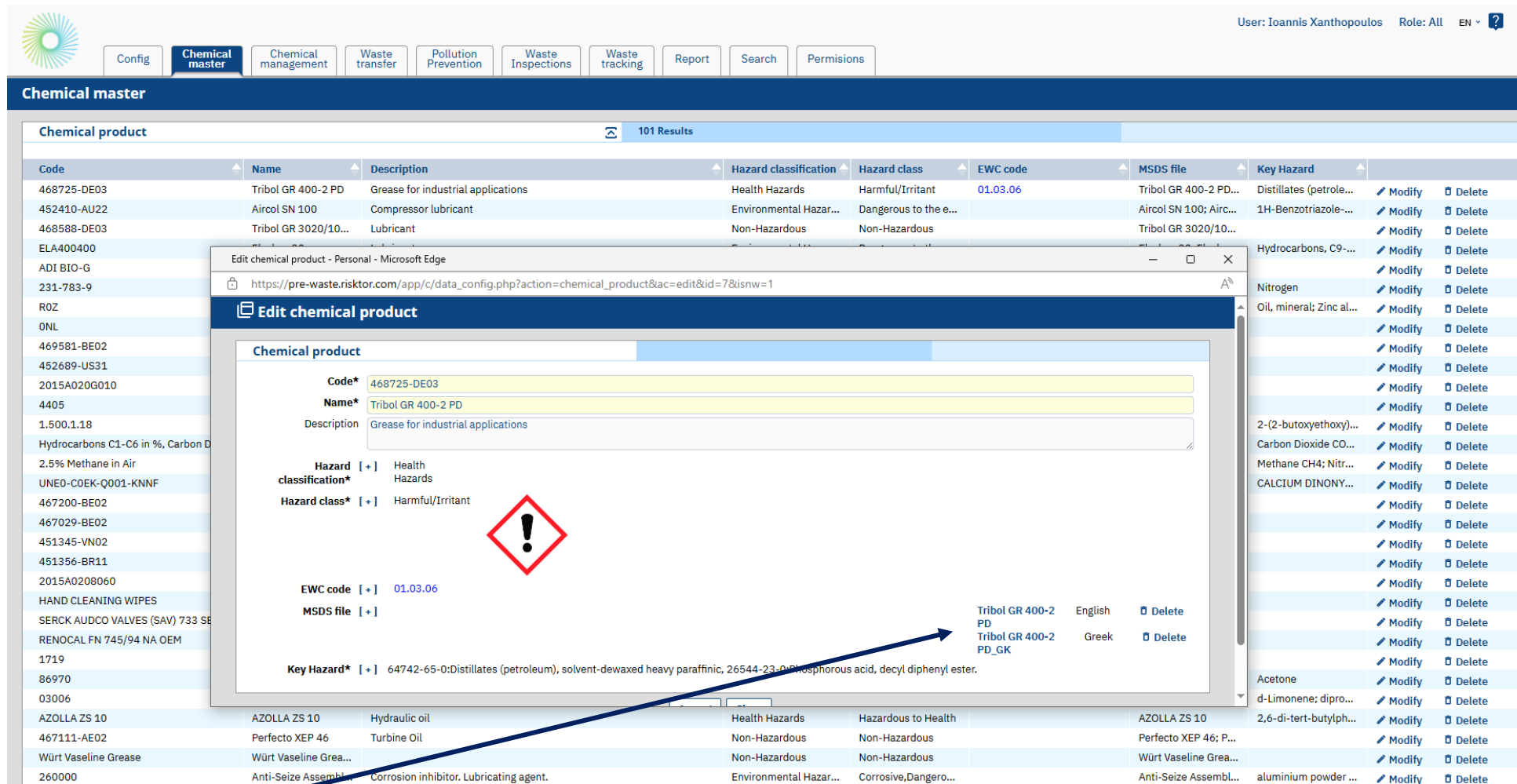
A waste Transfer Note is completed prior of a of a waste transportation

There are waste Inspection form to be performed

There are several Pollution prevention reports



SDS – Chemical Master



User: Ioannis Xanthopoulos Role: All EN - ?

Chemical master

101 Results

Code	Name	Description	Hazard classification	Hazard class	EWC code	MSDS file	Key Hazard	
468725-DE03	Tribol GR 400-2 PD	Grease for industrial applications	Health Hazards	Harmful/Irritant	01.03.06	Tribol GR 400-2 PD...	Distillates (petrole...	Modify Delete
452410-AU22	Aircol SN 100	Compressor lubricant	Environmental Hazar...	Dangerous to the e...		Aircol SN 100; Airc...	1H-Benzotriazole-...	Modify Delete
468588-DE03	Tribol GR 3020/10...	Lubricant	Non-Hazardous	Non-Hazardous		Tribol GR 3020/10...		Modify Delete
ELA400400							Hydrocarbons, C9-...	Modify Delete
ADI BIO-G							Nitrogen	Modify Delete
231-783-9							Oil, mineral; Zinc al...	Modify Delete
ROZ								Modify Delete
ONL								Modify Delete
469581-BE02								Modify Delete
452689-US31								Modify Delete
2015A020G010								Modify Delete
4405								Modify Delete
1.500.1.18								Modify Delete
Hydrocarbons C1-C6 in %, Carbon D								Modify Delete
2.5% Methane in Air								Modify Delete
UNE0-C0EK-Q001-KNNF								Modify Delete
467200-BE02								Modify Delete
467029-BE02								Modify Delete
451345-VN02								Modify Delete
451356-BR11								Modify Delete
2015A0208060								Modify Delete
HAND CLEANING WIPES								Modify Delete
SERCK AUDCO VALVES (SAV) 733 SE								Modify Delete
RENOCAL FN 745/94 NA OEM								Modify Delete
1719								Modify Delete
86970								Modify Delete
03006								Modify Delete
AZOLLA ZS 10	AZOLLA ZS 10	Hydraulic oil	Health Hazards	Hazardous to Health		AZOLLA ZS 10		Modify Delete
467111-AE02	Perfecto XEP 46	Turbine Oil	Non-Hazardous	Non-Hazardous		Perfecto XEP 46; P...		Modify Delete
Würt Vaseline Grease	Würt Vaseline Grea...		Non-Hazardous	Non-Hazardous		Würt Vaseline Grea...		Modify Delete
260000	Anti-Seize Assembl...	Corrosion inhibitor. Lubricating agent.	Environmental Hazar...	Corrosive,Dangero...		Anti-Seize Assembl...	aluminium powder ...	Modify Delete

Edit chemical product - Personal - Microsoft Edge

https://pre-waste.risktor.com/app/c/data_config.php?action=chemical_product&ac=edit&id=7&isnw=1

Edit chemical product

Chemical product

Code* 468725-DE03

Name* Tribol GR 400-2 PD

Description Grease for industrial applications

Hazard classification* Health Hazards

Hazard class* Harmful/Irritant

EWC code* 01.03.06

MSDS file* Tribol GR 400-2 PD English Delete
Tribol GR 400-2 PD_GK Greek Delete

Key Hazard* 64742-65-0:Distillates (petroleum), solvent-dewaxed heavy paraffinic, 26544-23-0:Phosphorous acid, decyl diphenyl ester.

For all hazardous materials there are the MSDSs in both English and Local Language

Waste Transfer

User: Ioannis Xanthopoulos Role: All EN ?



- Config
- Chemical master
- Chemical management
- Waste transfer
- Pollution Prevention
- Waste Inspections
- Waste tracking**
- Report
- Search
- Permissions

Corporate report

Waste breakdown [-]

Chemical product	Waste stream	Waste type	Classification	Process/Disposal methods	Jan.	Feb.	Mar.	Apr.	May.	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Year total
Scrap metal	iron and steel		non_hazardous		699	0	962	280	200	4067	300	0	77	1115	450	55	8205
Wood & wooden packaging	wooden packaging	Solid	non_hazardous		2025	1820	700	100	80200	1300	0	0	5	750	150	100	87150
Rugs	oil spills	Solid	hazardous		0	0	0	0	943	0	0	0	0	0	0	0	943
Mixed municipal waste	mixed municipal waste	Liquid	non_hazardous	Incineration	0	1000	0	0	0	0	0	0	0	0	0	0	1000

Waste summary [-]

Waste summary	Jan.	Feb.	Mar.	Apr.	May.	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Year total
non_hazardous	699	0	962	280	200	4067	300	0	77	1115	450	55	8205
Solid	2025	1820	700	100	80200	1300	0	0	5	750	150	100	87150
Liquid	0	1000	0	0	0	0	0	0	0	0	0	0	1000
Total [Kg]:	2724	2820	1662	380	80400	5367	300	0	82	1865	600	155	96355
hazardous	0	0	0	0	943	0	0	0	0	0	0	0	943
Total [Kg]:	0	0	0	0	943	0	0	0	0	0	0	0	943
GRAND TOTAL (Non-Hazardous and Hazardous Waste)	2724	2820	1662	380	81343	5367	300	0	82	1865	600	155	97298

Key Performance Indicators [-]

Key Performance Indicators	Jan.	Feb.	Mar.	Apr.	May.	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Year total
Total Wasted Generated	5046	2820	1662	380	90823	7317	300	0	134	1865	600	155	111102
Total Process: Waste[Quantity]	3985	0	1512	280	81143	6667	300	0	129	1115	450	55	95636
Total Process: Waste [%]	78,97%	0	90,97%	73,68%	89,34%	91,12%	100,00%	0	96,27%	59,79%	75,00%	35,48%	86,08%
Total Process: Recycled Waste[Quantity]	1061	1820	150	100	200	650	0	0	5	750	150	100	4986
Total Process: Recycled Waste [%]	21,03%	64,54%	9,03%	26,32%	0,22%	8,88%	0	0	3,73%	40,21%	25,00%	64,52%	4,49%
Total Process: Incineration Waste[Quantity]	0	1000	0	0	0	0	0	0	0	0	0	0	1000
Total Process: Incineration Waste [%]	0	35,46%	0	0	0	0	0	0	0	0	0	0	0,90%
Total Process: Valorization Waste[Quantity]	0	0	0	0	9480	0	0	0	0	0	0	0	9480
Total Process: Valorization Waste [%]	0	0	0	0	10,44%	0	0	0	0	0	0	0	8,53%

Generate report

Through the waste transfer Note, the waste quantities are recorded and a Waste report can be generated based on various values



- Config
- Chemical master
- Chemical management
- Waste transfer
- Pollution Prevention**
- Waste Inspections
- Waste tracking
- Report
- Search
- Permissions

Execute Environmental inspection checklist

Environmental inspection checklist

General project location* [+] Greece
 Specific site asseset [+] Kipoi – Compressor Station O&M Center
 TAP AG Reps
 Date of inspection* 04/06/2024
 Date of report* 04/06/2024
 Weather conditions [+] Normal weather

If there is any exceedance in the limits, then a corrective action will be transferred in the Action Tracker Module

N/A Resource Management [-] Completed

All water sources and extraction locations used have been granted relevant permit by competent authorities with the GPS coordinates and the maximum water volumes allowed from each source.	<input checked="" type="radio"/> N/A	<input type="radio"/> NON	<input type="radio"/> 50%	<input type="radio"/> 75%	<input type="radio"/> 100%	
Standing water (ponds, lakes, etc.) are not be used to extract water from or to discharge used water/effluents into.	<input checked="" type="radio"/> N/A	<input type="radio"/> NON	<input type="radio"/> 50%	<input type="radio"/> 75%	<input type="radio"/> 100%	
Discharging waters occur in a way that minimise physical impacts to channel morphology, no additives have been added to discharged water. Discharges have not been made without prior agreement and appropriate consents and approvals from the authorities and surface runoff is being managed.	<input type="radio"/> N/A	<input type="radio"/> NON	<input type="radio"/> 50%	<input type="radio"/> 75%	<input checked="" type="radio"/> 100%	
Subtotal for Resource Management	1	0	0	0	1	100

Add paper inspection


N/A Pollution Prevention [-] Completed

Dust suppression measures (water carts, loads covered, geo-textile stockpiles suspend earth works, dust extraction, paving/soil binders other measures as applicable) are in place where required to minimise dust impacts.	<input checked="" type="radio"/> N/A	<input type="radio"/> NON	<input type="radio"/> 50%	<input type="radio"/> 75%	<input type="radio"/> 100%	
RoW access roads are clear of dust and spoil or measures are in place to minimise impact (e.g. street sweepers, brushing roads down).	<input checked="" type="radio"/> N/A	<input type="radio"/> NON	<input type="radio"/> 50%	<input type="radio"/> 75%	<input type="radio"/> 100%	
Equipment and vehicles are regularly maintained and are operated to minimise emissions. Black smoke emitting vehicles are removed for maintenance.	<input checked="" type="radio"/> N/A	<input type="radio"/> NON	<input type="radio"/> 50%	<input type="radio"/> 75%	<input type="radio"/> 100%	
Mobile plant is maintained in good working order (and operated so vehicles are not left standing idle in residential areas and stationary plant is integral banded (110% capacity) or provided with drip trays.	<input checked="" type="radio"/> N/A	<input type="radio"/> NON	<input type="radio"/> 50%	<input type="radio"/> 75%	<input type="radio"/> 100%	
Fuel storage areas are adequately banded (110%), and are not within 100m of a major watercourse, within a floodplain, or where there is the potential for spilled fuel to enter groundwater.	<input checked="" type="radio"/> N/A	<input type="radio"/> NON	<input type="radio"/> 50%	<input type="radio"/> 75%	<input type="radio"/> 100%	
Noise monitoring has been undertaken where required.	<input checked="" type="radio"/> N/A	<input type="radio"/> NON	<input type="radio"/> 50%	<input type="radio"/> 75%	<input type="radio"/> 100%	
Appropriate controls (barriers or site layout, low nuisance (noise) equipment, noise abatement equipment such as dampers, effective silencer on their air exhaust port of pneumatic tools, less noisy movement/reversing warning systems).	<input checked="" type="radio"/> N/A	<input type="radio"/> NON	<input type="radio"/> 50%	<input type="radio"/> 75%	<input type="radio"/> 100%	
No evidence of project related discharges (effluent, washing of plant, clothing and vehicles) in watercourses have occurred.	<input checked="" type="radio"/> N/A	<input type="radio"/> NON	<input type="radio"/> 50%	<input type="radio"/> 75%	<input type="radio"/> 100%	
Secondary containment systems (e.g. maintenance areas, waste storage yard, hazardous liquid waste storage areas and oil/chemical storage areas) are maintained and generally free from spills / rainwater build up and are functioning effectively.	<input checked="" type="radio"/> N/A	<input type="radio"/> NON	<input type="radio"/> 50%	<input type="radio"/> 75%	<input type="radio"/> 100%	
Vehicles and equipment are being washed off-site in an appropriately licensed public wash bay.	<input checked="" type="radio"/> N/A	<input type="radio"/> NON	<input type="radio"/> 50%	<input type="radio"/> 75%	<input type="radio"/> 100%	

In the Pollution prevention there are several Reports that can be performed through App as well

Action Tracker

The inputs will either be automatically created from the other modules or manually



Dashboard
Configuration
Overview
Search
Permissions

User: ixanthopoulos
Role: All
EN
?
👤

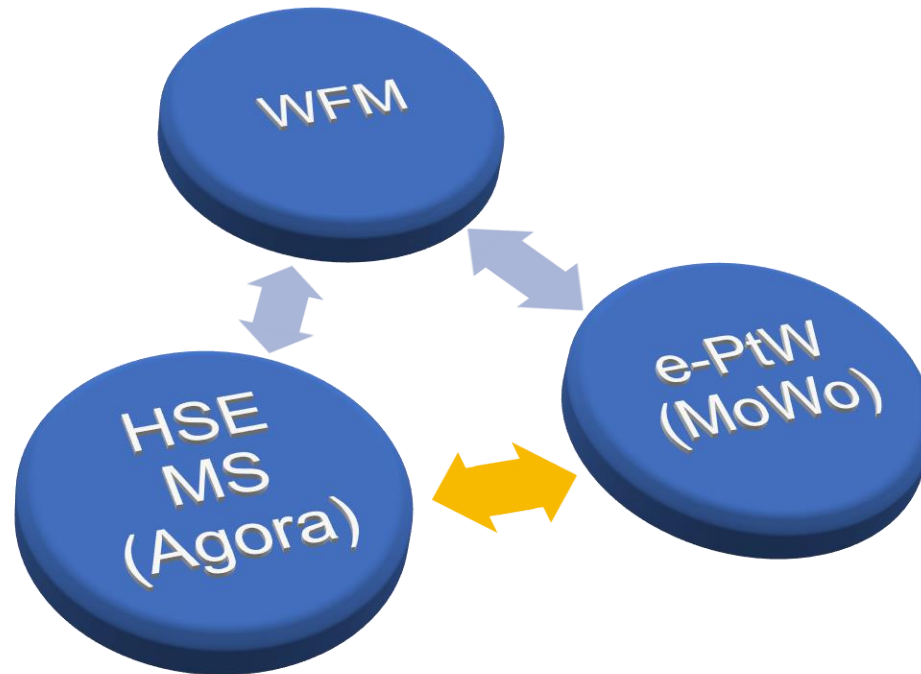
Overview

By Site
By Country
By Source

Incident	🔍							
Report	🔍							
1, 2, 3, Survey	🔍							
HSE Visit	🔍							
Planned Observation	🔍							
Unsafe Act/Condition	🔍							
Emergency Exercise/Drills	🔍							
Internal QHSE Audit	🔍							
YTD ID	OBS Description	Source	CA ID	Priority	Proposed Corrective Action	Status	Deadline	View
2023-0136	description	Internal QHSE Audit	2023-0141	A	Proposed Corrective Action	Pending	02/12/2023	🔍 View
2023-0059	Description observation Greece	Internal QHSE Audit	2023-0091	B	corrective Action details GAT_59 Greece	In progr...	12/05/2023	🔍 View
2023-0110	Description details for the observation issued on the 14th of Nov...	Internal QHSE Audit	2023-0134	B	Proposed Corrective Action text testing 14.12.2023 related to O...	In progr...	15/11/2023	🔍 View
2024-0192	Description Observation Fier Albania 07.02.2024	Internal QHSE Audit	2024-0198	B	Proposed Corrective Action Observation 2024-0192	In progr...	08/03/2024	🔍 View
2024-0197	Description Observation Site Fier – Compressor Station O&M Ce...	Internal QHSE Audit	2024-0181	C	Proposed Corrective Action Fier-Compression Station O&M Center	Pending	08/05/2024	🔍 View
2024-0208	Description	Internal QHSE Audit	2024-0191	C	Proposed Corrective Action Observation YTD-ID 2024-0208	To appr...	22/05/2024	🔍 View
2024-0208	Description	Internal QHSE Audit	2024-0206	C	Proposed Corrective Action YTD ID: 2024-0206 testing 07.03.2...	Pending	22/05/2024	🔍 View
2024-0250	Description of the observation under reference 2024-0250 relat...	Internal QHSE Audit	2024-0232	C	Proposed corrective action details related to the Observation 20...	Solved	23/07/2024	🔍 View
2024-0225	Description of the observation for Sidirokastro 26.03.2024	Internal QHSE Audit	2024-0210	D	Proposed Corrective Action YTD ID: 2024-0225	Pending	26/03/2025	🔍 View
2024-0239	Description of the observation related to Kipoi-Pipeline O&M Ce...	Internal QHSE Audit	2024-0219	D	Proposed Corrective Action	In progr...	10/04/2025	🔍 View
2024-0251	Description of the Observation under YTD ID: 2024-0251 24.04....	Internal QHSE Audit	2024-0233	D	Proposed corrective actions Observation 2024-0251	Pending	24/04/2025	🔍 View
2024-0236	Description CR016 Observation YTD ID 2024-0236	Internal QHSE Audit	2024-0234	D	Proposed Corrective Action details Observation under YTD ID: 2...	Solved	04/04/2025	🔍 View
Internal/ Quality Audit	🔍							
Meeting	🔍							

The system will send notifications to the responsible people to inform them for pending actions, warnings and deadlines

Agora - Interface between TAP e-tools



Agora has the advantage to share information and to have interfaces with other tools

- Currently Status:
Agora – WFM
WFM – e-PtW
- Future Interface:
Agora – e-PtW

Thank you for your attention!



www.tap-ag.gr



@tap_pipeline

