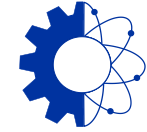


TECHNICAL GALLERIES  
CONSOLIDATION



ENGINEERING  
DEPARTMENT

# Technical Galleries Consolidation Program

## TG-CONS – SCE-SAM Heating network consolidation

Activities overview

Michela LAGIOIA  
Gregoire GUILLOT

30/05/2024`

# Overheated pipes – Past works

Gallery 825 - Part 4.1

835 North

836

835 South

ISR RING  
RECENTLY  
RENOVATED

- Gallery 835 North - Pilot gallery in 2022
  - Gallery 835 South
  - Gallery 836
  - Gallery 825 Part 4.1
- WORKSITE  
COMPLETED  
IN 2023 AND  
100%  
INVOICED

# 2023: Summary of the activities

## ACTIONS IN EVERY GALLERY:

- Asbestos removal campaign (SCE-CE)
- Replacement of the pipes and insulation
- Increase in the thickness of the insulation according to the current norms (SIA384-1 and Mopec 2018)



OLD CONFIGURATION



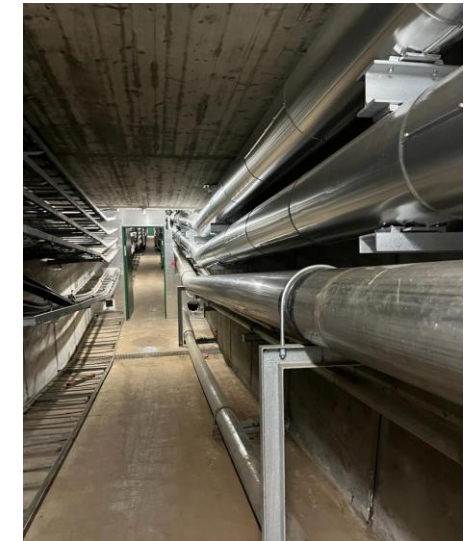
DISMANTLING



PIPE INSTALLATION



INSTALLATION OF INSULATION



## SCHEDULE

- Heating stop: 01/05/23
- Start of the activity: 15/05/23
- End of the activity: 01/11/23
- Heating start: 23/10/23



**~600 m**  
REPLACED PIPES



**~24 tons**  
OF EVACUATED PIPES  
& SUPPORTS



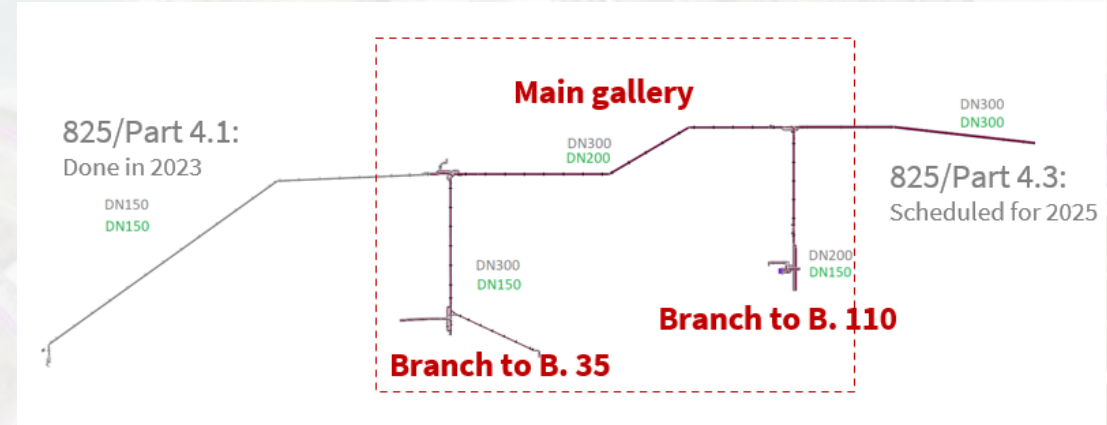
**~22 tons**  
OF INSTALLED PIPES &  
SUPPORTS

# Heating pipes Current projects

Gallery 825  
Part 4.2

Gallery 826

- **Gallery 825 Part 4.2 - Summer 2024**  
From Building 35 to 110, branches included



- **Gallery 826 - Summer 2024**

**De-classification from superheated water to heated water**

**New Technical Specifications:**

- Nominal Pressure **PN 16**
- Design Temperature **99°C**

# Heating pipes - Schedule 2024

ID	Task Name	Duration	Start	Finish	Predecessors	Resource Names	Qtr 1, 2024		Qtr 2, 2024			Qtr 3, 2024			Qtr 4, 2024	
							Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
1																
2	<b>2024 - GALLERIES 825 &amp; 826</b>															
3	<b>Study</b>															
4	Quotation request	1 day	Mon 22/01/24	Mon 22/01/24		SCE-SAM										
5	Preparation of the offer	28 days	Tue 23/01/24	Thu 29/02/24		EGTIM										
6	Approval of the offer	19 days	Fri 01/03/24	Wed 27/03/24		SCE-SAM										
7	Preparation of the DEX	40 days	Mon 08/04/24	Fri 31/05/24	6	EGTIM										
8	Approval of the DEX	15 days	Mon 03/06/24	Fri 21/06/24	7	SCE-SAM ; HSE										
9	Order of material	4 days	Mon 10/06/24	Thu 13/06/24		EGTIM										
10	Delivery material	10 days	Fri 14/06/24	Thu 27/06/24	9	EGTIM										
11	<b>Execution</b>															
12	VIC	1 day	Mon 06/05/24	Mon 06/05/24		All teams										
13	Heating stop	1 day	Wed 08/05/24	Wed 08/05/24		DALKIA										
14	Vidange 825 and 826	5 days	Mon 27/05/24	Fri 31/05/24	13	DALKIA										
15	<b>Gallery 825 Part 4.2</b>	<b>64 days</b>	<b>Tue 21/05/24</b>	<b>Fri 16/08/24</b>												
16	Asbestos removal	9 days	Tue 21/05/24	Fri 31/05/24		SCE-CE										
17	Dismantling existing installation	15 days	Mon 03/06/24	Fri 21/06/24	16	EGTIM										
18	Installation supports and pipes	25 days	Mon 24/06/24	Fri 26/07/24	17	EGTIM										
19	Pressure test	5 days	Mon 29/07/24	Fri 02/08/24	18	HSE-EGTIM										
20	Insulation works	10 days	Mon 05/08/24	Fri 16/08/24	19	EGTIM-Ouvaroff										
21	<b>Gallery 826</b>	<b>65 days</b>	<b>Mon 10/06/24</b>	<b>Fri 06/09/24</b>												
22	Asbestos removal	10 days	Mon 10/06/24	Fri 21/06/24		SCE-CE										
23	Dismantling existing installation	10 days	Mon 24/06/24	Fri 05/07/24	22	EGTIM										
24	Installation supports and pipes	20 days	Mon 22/07/24	Fri 16/08/24		EGTIM										
25	Pressure test	5 days	Mon 19/08/24	Fri 23/08/24	24	HSE-EGTIM										
26	Insulation works	10 days	Mon 26/08/24	Fri 06/09/24	25	EGTIM-Ouvaroff										

Latest update:

- Lockout ongoing 
- Insulation dismantling finished in 825.

# FUTURE WORKS

825 Part 3 -  
Year 2025-2026

825 Part 2 -  
Year 2028-29

821 TL4A- 2027

- **Priority:** to continue gallery 825, shadowing EN-CV
- **Budget constraints:** the scope will be defined based on the budget availability of the project.
- **Collaboration with EN-CV.**

