



LIFE PROJECT - SEKRET

LIFE12 ENV/IT/000442

"Sediment ElectroKinetic REmediation Technology for heavy metal pollution removal"

DELIVERABLE ACTION B1

“Design and specification of demonstration plant”

Drawing n.3 – Electrolyte Treatment Unit



UNIVERSITÀ DI PISA



Port Authority Livorno

WEST
Systems

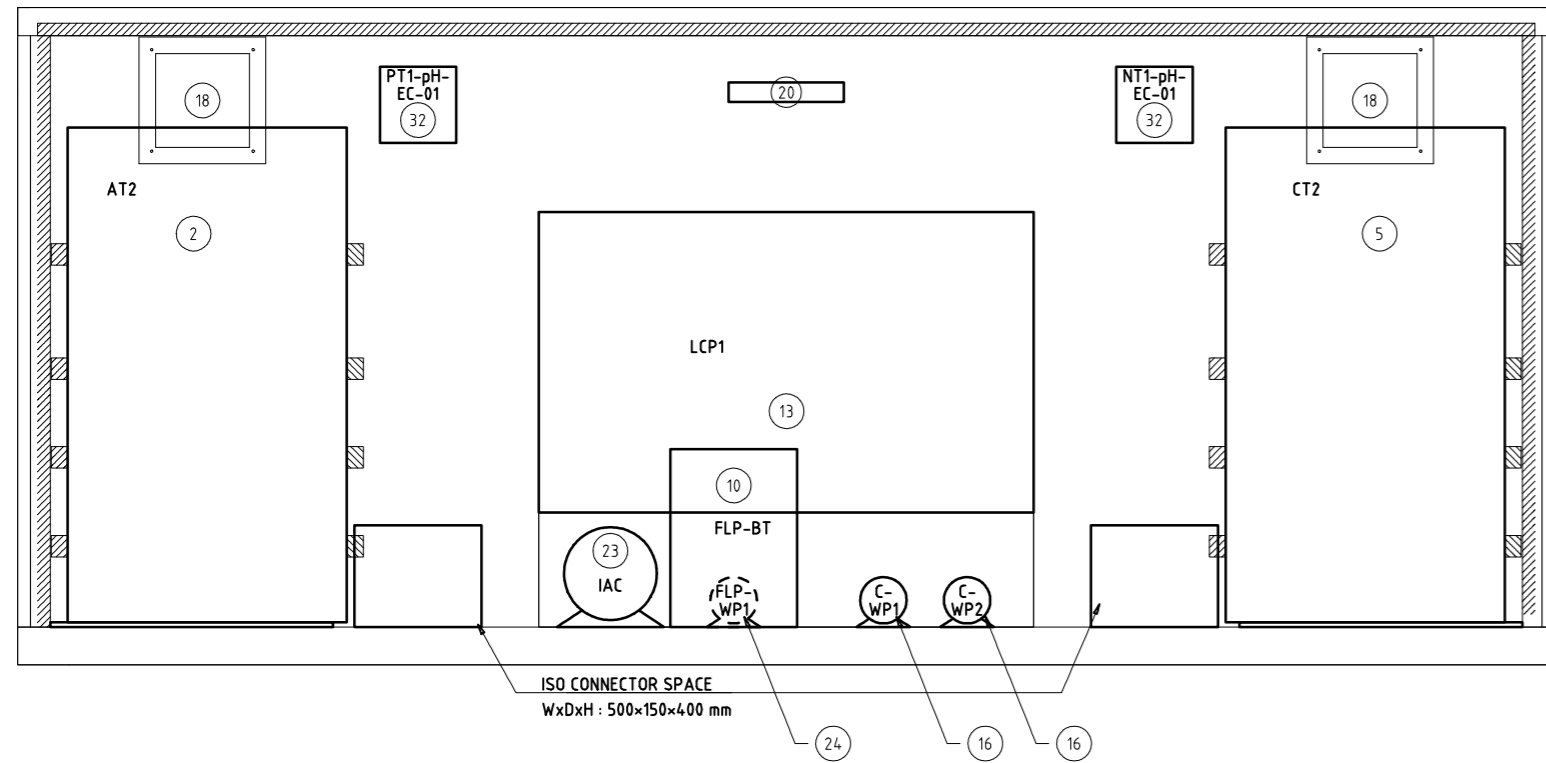
Lambda

Consult

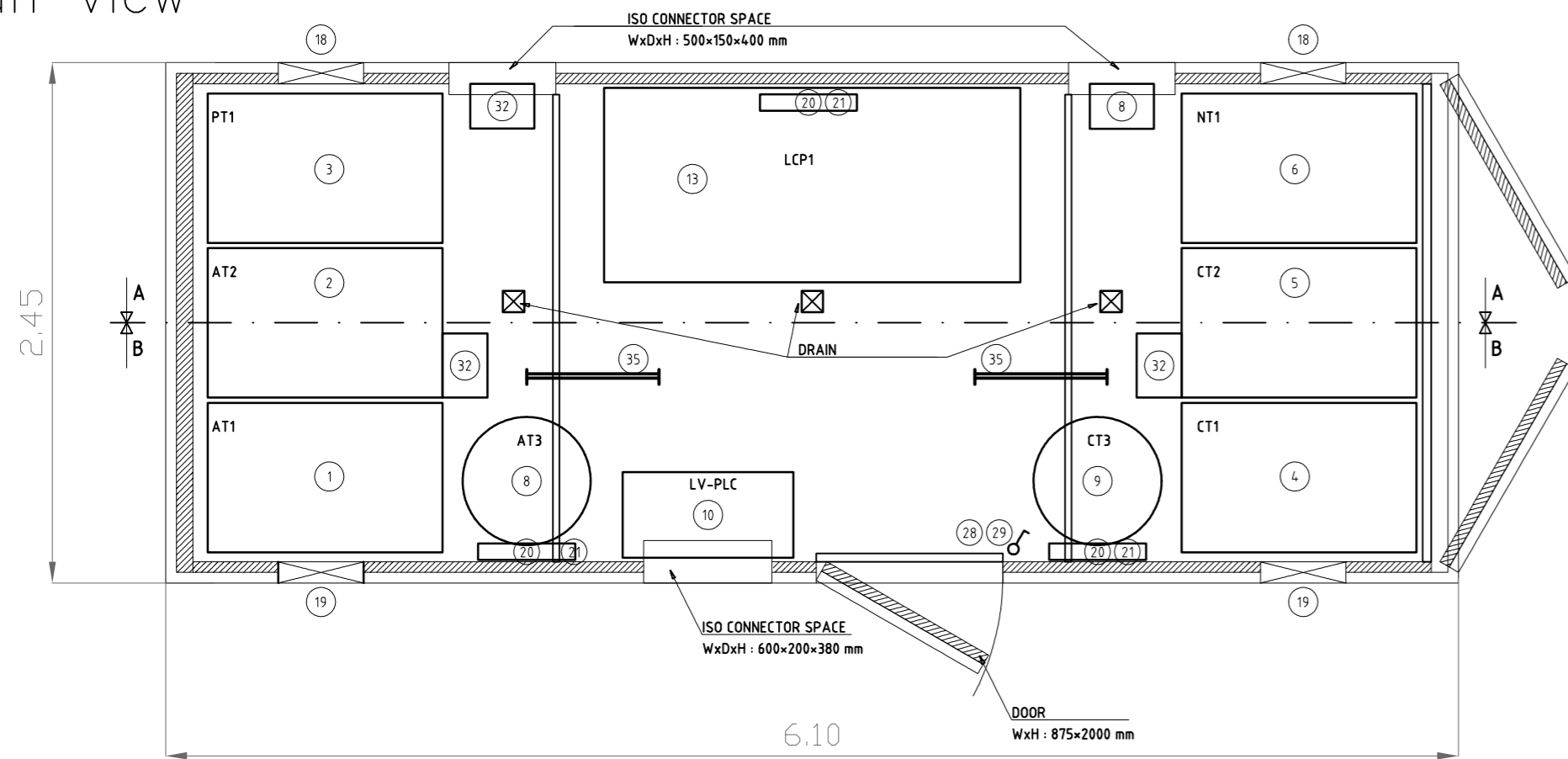


SAPIENZA
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Inside view A

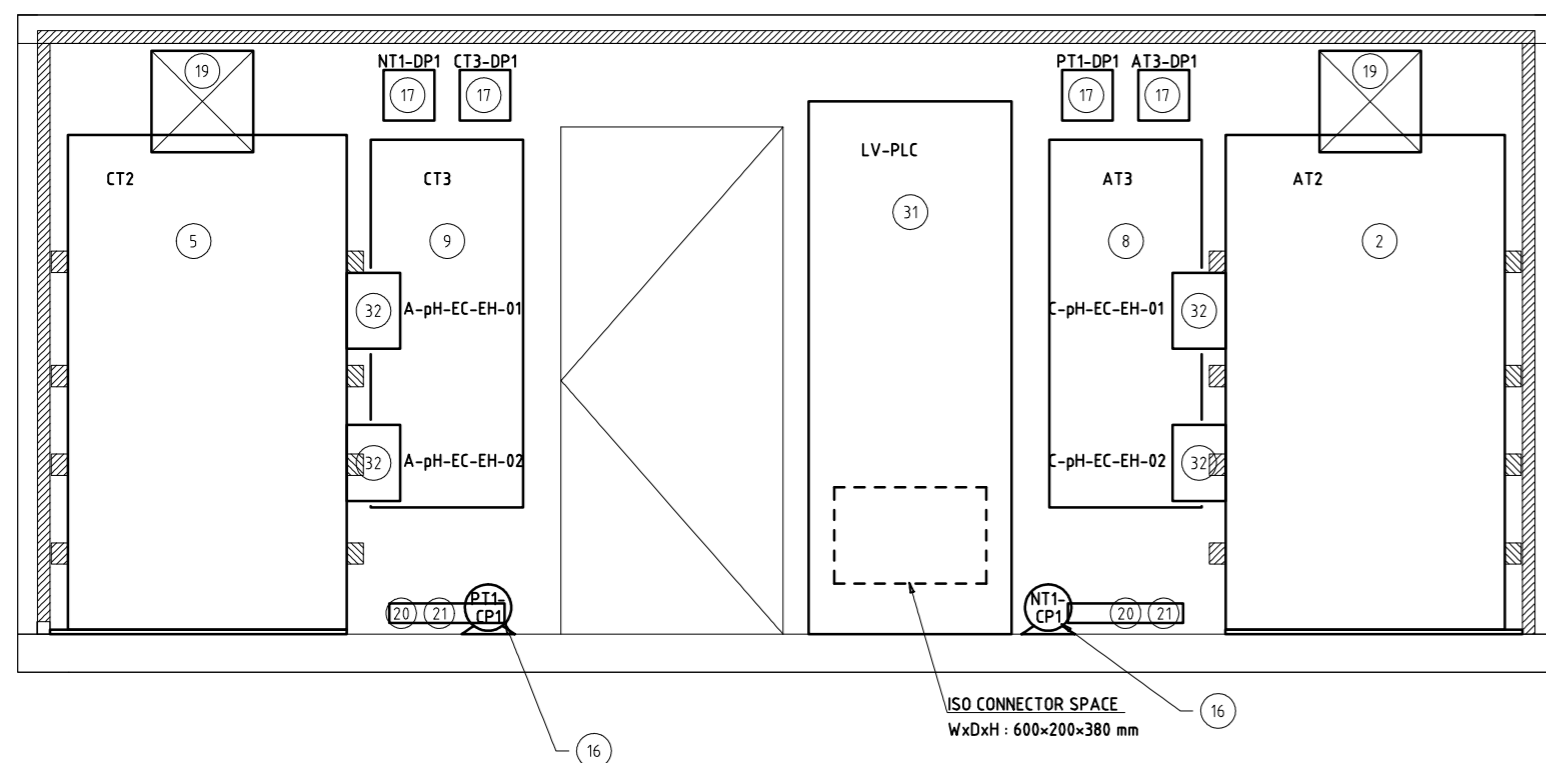


Plan View



Inside view A


Inside view B



Inside view B

ID	TAGNAME	QUANTITY	DESCRIPTION
1	AT1	1	pH-buffer tank RSP-A
2	AT2	1	pH-conditioner tank RSP-A
3	PT1	1	Precipitation tank
4	CT1	1	Buffer tank RSP-AC
5	CT2	1	pH-Conditioner tank RSP-C
6	NT1	1	Neutralisation tank
7	FLP	1	Filter press dry soil collection box
8	AT3	1	Base buffer tank
9	CT3	1	Acid buffer tank
10	FLP-BT	1	Filter press buffer tank
11	-	2	Drip/support table for acid & filter press buffer tank
12	-	-	-
13	LCP1	1	Chamber filter press
14	-	-	-
15	C-WP1	1	Eccenterpump 1,8m3/h
16	PT1-CP1, NT1-CP1, C-WP2	3	Centrifugalpump 3m3/h
17	NT1-DP1, CT3-DP1, PT1-DP1, AT3-DP1	4	Acid / Base pump
18	-	2	Fan 1ph+N 230V 50-60Hz 420m3/h
19	-	2	Air inlet Louvre
20	-	3	Heater
21	-	3	Thermostat
22	-	-	-
23	IAC	1	Compressor
24	-	-	Plugner pump
25	-	5	Cable connection box
26	-	-	-
27	-	-	-
28	-	1	Lighting switch ground box single
29	-	1	Lighting switch IP20
30	-	-	-
31	LV-PLC	1	PLC Cabinet
32	A-pH-EC-EH-01, A-pH-EC-EH-02	6	Ph, EH, EC measuring panel
	C-pH-EC-EH-01, C-pH-EC-EH-02	-	-
	PT1-pH-EC-01, NT1-pH-EC-01	-	-
33	-	-	-
34	-	-	-
35	-	2	Lighting fixture
36	-	-	-
37	-	-	-
38	-	-	-
39	-	-	-
40	-	-	-
41	-	-	-
42	-	-	-
43	-	16	Vibration dampers
44	AT1-EA1, AT2-EA1, CT1-EA1, CT2-EA1	4	Solenoid Valve
45	A2-AP1, C2-AP1, PT1-AP1, NT1-AP1	4	Solenoid Valve
46	A2-AP1, C2-AP1, PT1-AP1, NT1-AP1	4	UNION
47	-	-	-
48	-	-	-
49	-	4	Injection nipple
50	-	4	Filter
51	-	4	Ceramic weight
52	-	-	-
53	-	6	PH Electrode
54	-	4	EH Electrode (redox)
55	-	6	EC Electrode
56	-	8	Cable for electrode
57	-	-	-
58	-	-	-
59	-	6	Perflex socket outlet for connection of motors
60	-	6	Perflex plug with cable for connection of motors
61	-	-	-
62	-	-	-
63	-	10	Socket for connection of field motors
64	-	10	Plug for connection of filed motors
65	-	-	-
66	-	1	Air receiver
67	-	1	Non return valve
68	-	-	-
69	-	5	TEMP SENSOR PT100

LIFE+ Environment Policy and Governance
PROJECT LIFE12 ENV/IT/000442

Project title:  Sediment Electrokinetic Remediation Technology for heavy metal pollution removal

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Misure in: mt Approved by: Ing. Simone Neri

WEST Systems

Water treatment container 20ft Views and details

25/07/2014