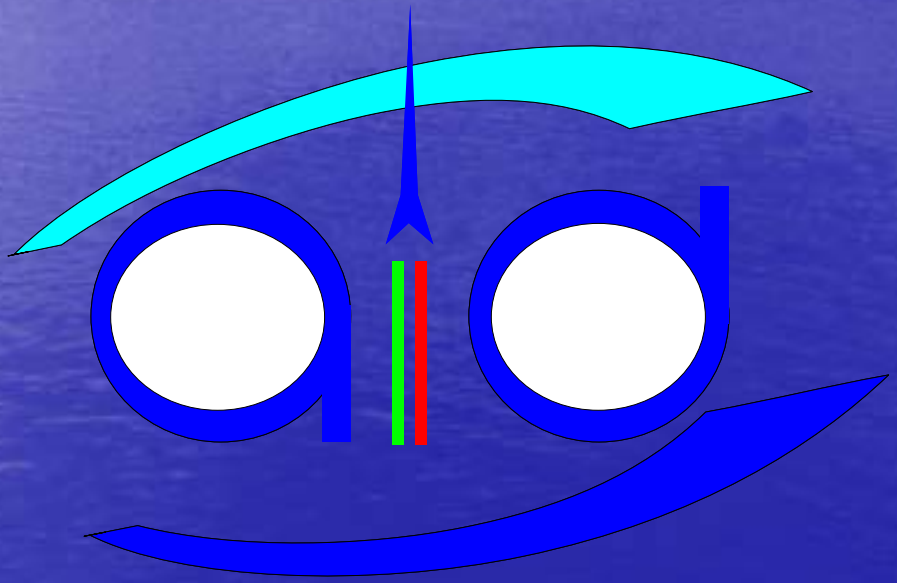
DESTRUCTION OF VALMARA 69 MINE AT MILITARY PLANT IN NOCETO

Geneva, 6 February 2003

MINISTRY OF DEFENCE



DEFENCE INDUSTRIES AGENCY

DESTRUCTION OF VALMARA 69 MINE AT MILITARY PLANT IN NOCETO
Geneva, 6 February 2003

TOPIC

How the disposal activity has been carried out at the military plant in Noceto under the responsibility of the “Italian Defence Industries Agency”.

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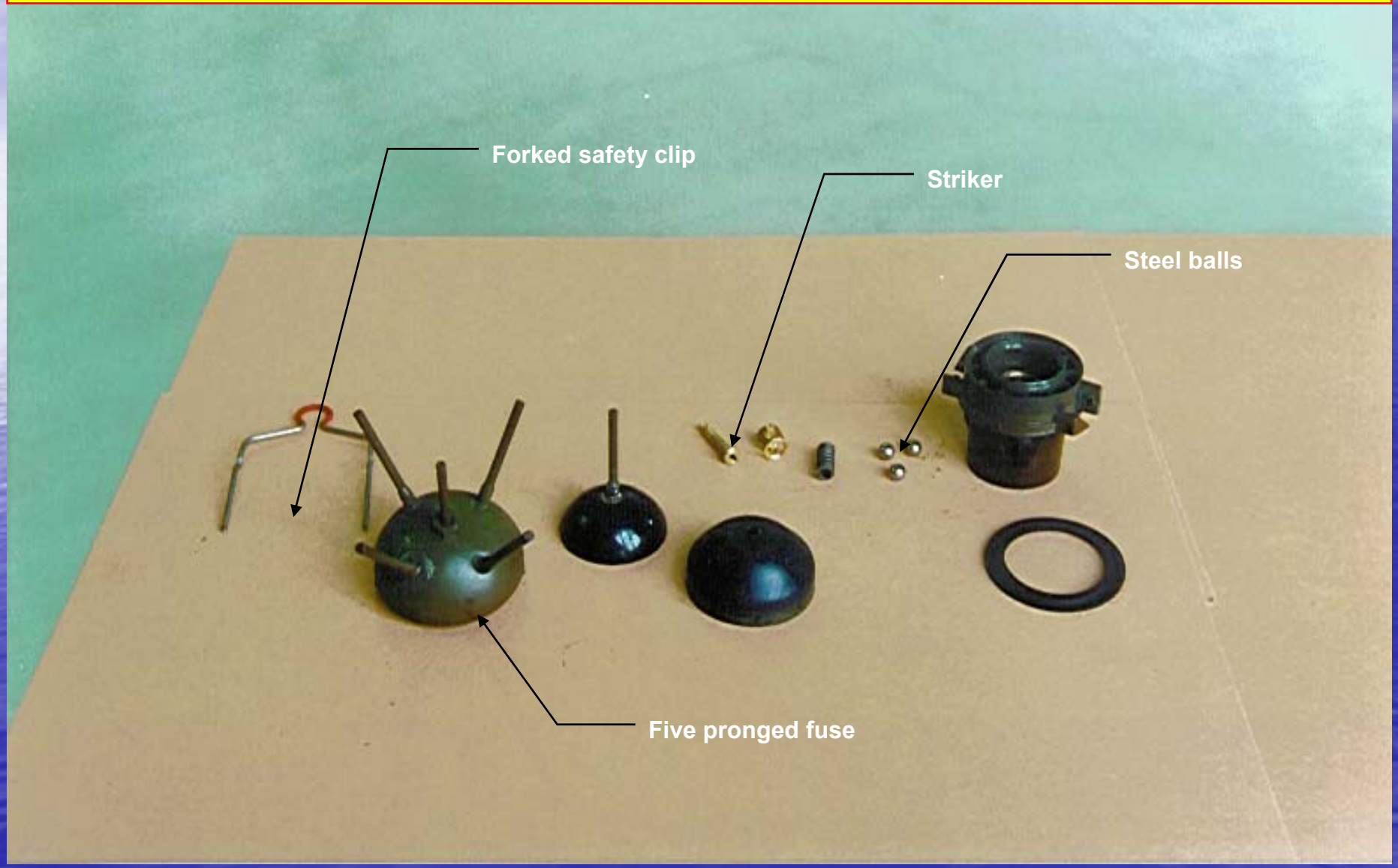

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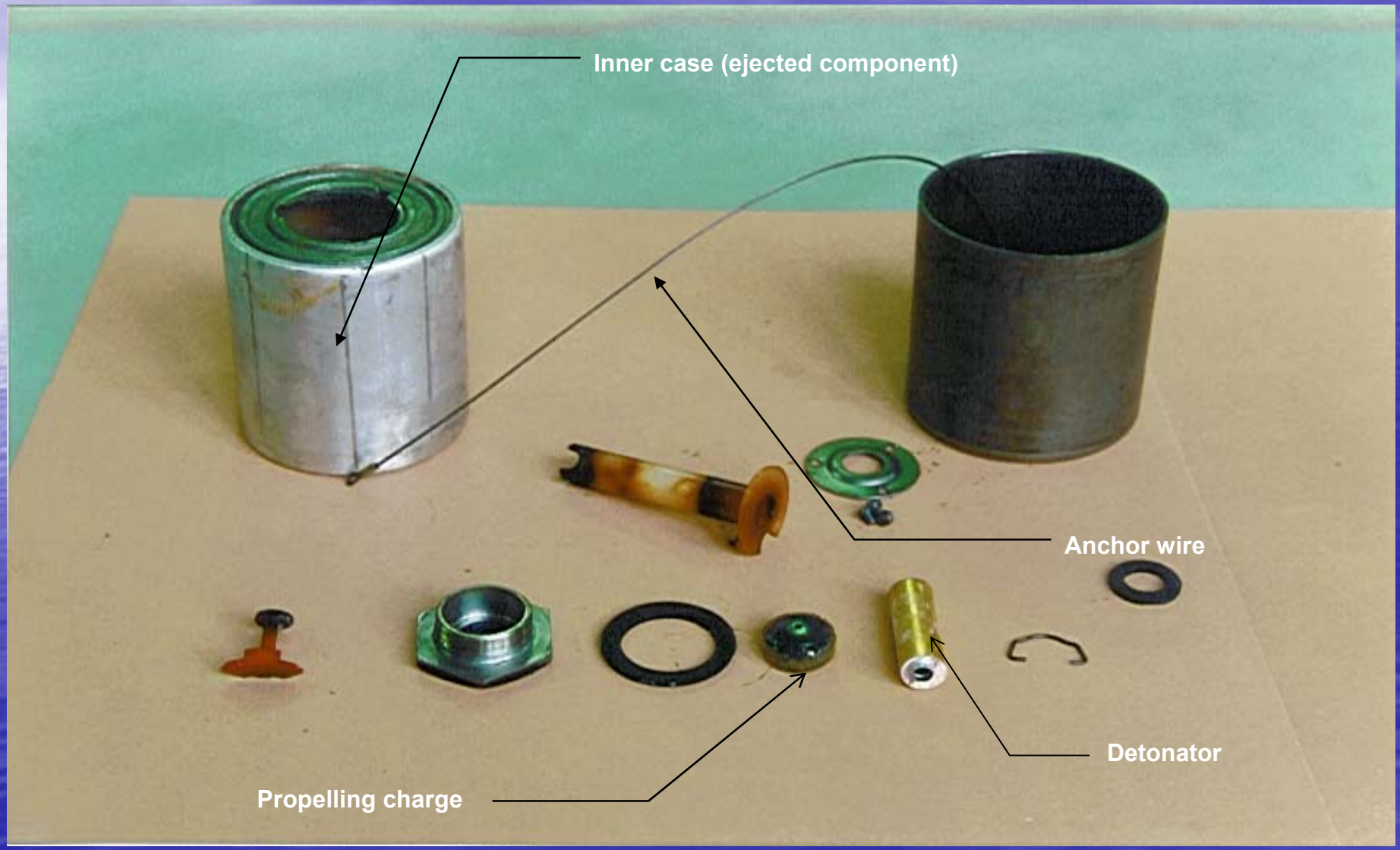

DESTRUCTION OF VALMARA 69 MINE AT MILITARY PLANT IN NOCETO

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VALMARA 69 TECHNICAL SPECIFICATIONS

Height	205 mm
Diameter	130 mm
Mine weight	3,3 kg
Explosive weight	550 g
Fuse type	Tripwire or direct pressure
Sensitivity	10,8 kg direct pressure, 6-8 kg pull on tripwire
Lethal radius	27 m
Metal fragments	1.200

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DESTRUCTION ACTIVITY

From January to October 2002:

- 40 artificers were engaged
- 2.000 units were disassembled every day
- 410.027 mines were demilitarized

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DESTRUCTION PROCESS

PHASE 1: MINE DISASSEMBLY

PHASE 2: MECHANICAL DISPOSAL

PHASE 3: THERMAL DISPOSAL

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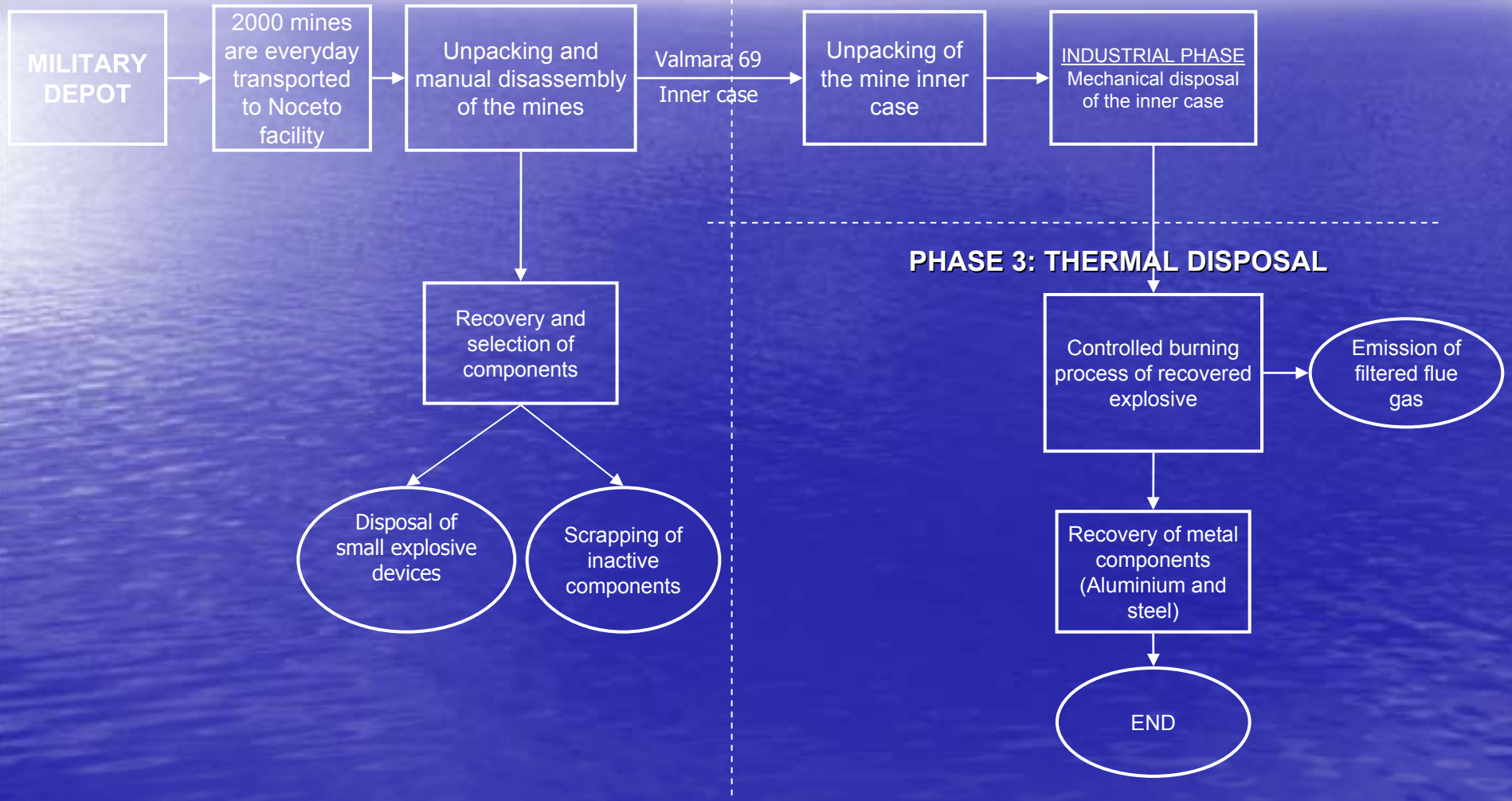
Working cycle for Valmara 69 mine destruction



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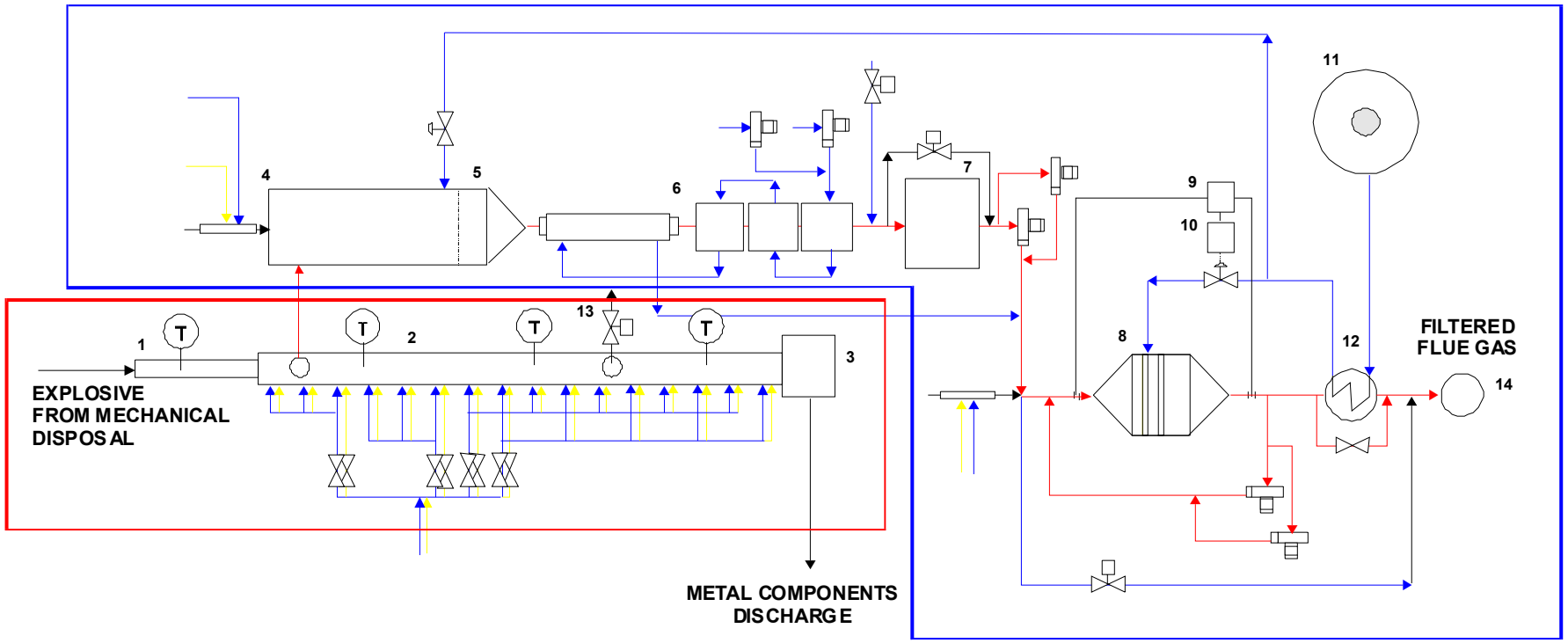
PLANT FOR THERMAL DISPOSAL



LEGEND

1 Feeding system
2 Tunnel oven
3 Metallic components recovery
4 After-burner
5 First Catalyst
6 Regenerator
7 Automatically cleaning filter
8 Second Catalyst
9 NOx Analyser
10 Electronic control unit
11 NH_3 Tank
12 NH_3 Evaporator
13 Emergency chimney
14 Emission of filtered flue gas

RED AREA : EXPLOSIVE THERMAL DISPOSAL
BLUE AREA : FLUE GAS FILTERING SYSTEM

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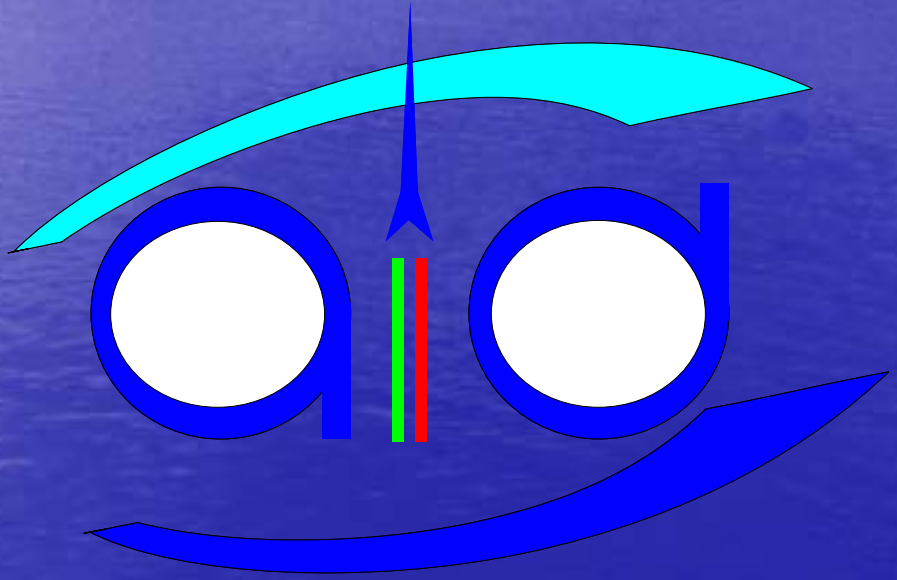

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