

# ENDRESS & HAUSER

## Webmeeting 21-09-2022



***IPL*OM**

## The plants

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# **ATECO 19**

**4 Sites in 2 Regions**  
(GENOVA, BUSALLA, ARQUATA SCRIVIA)

**Continuous cycle**

**Classified for relevant  
accident  
(in according Italian law SEVESO III)**

# WHERE WE ARE ?

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In the North of Italy

Very close to Genoa

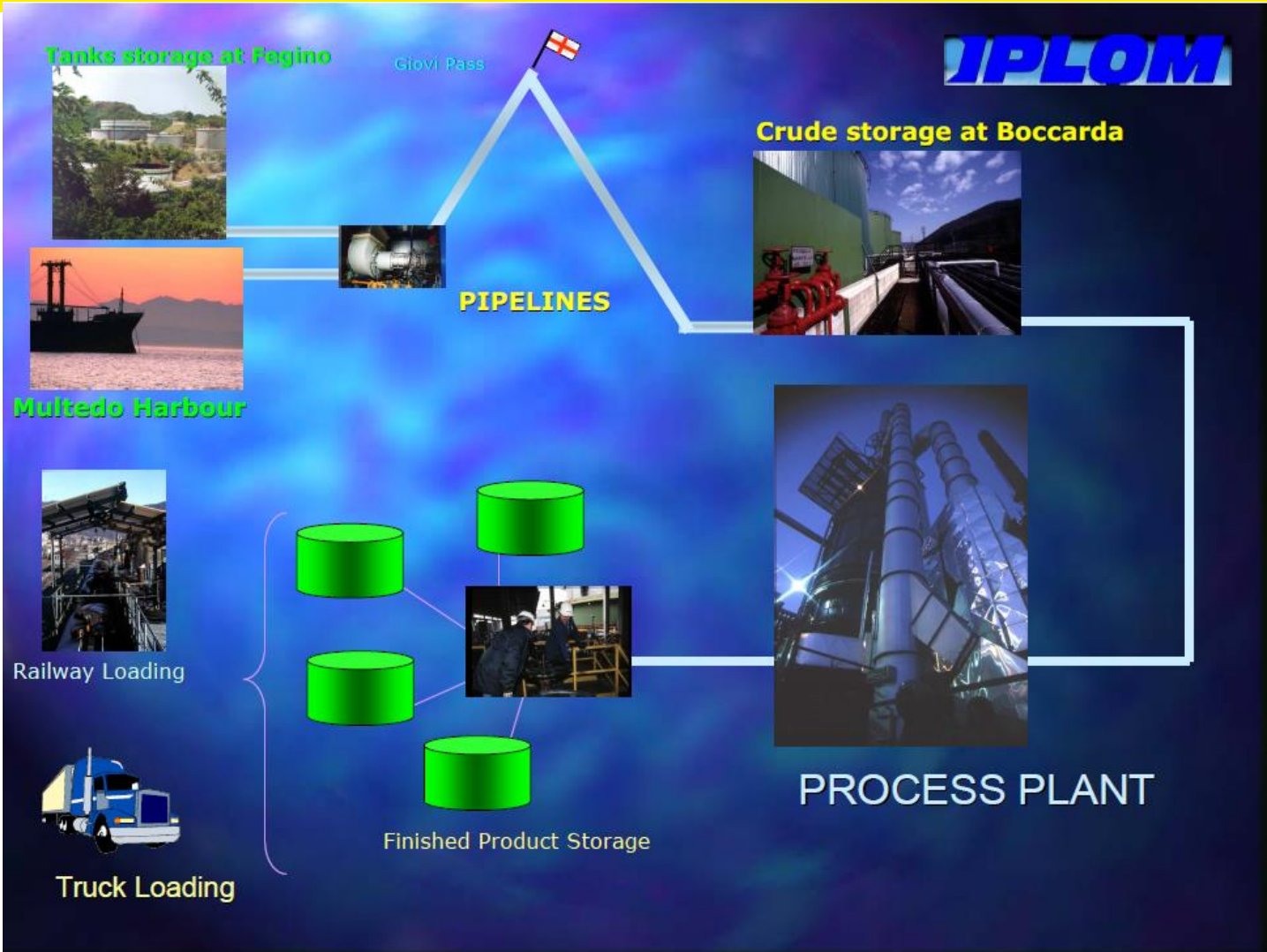
At the borders of Po's valley

In a commercially strategic area

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# Our history

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From the beginning ....

1943

To Today.....2022







# The PRODUCTION

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Bitumen

Sulphur

diesel fuel



virgin  
naphtha





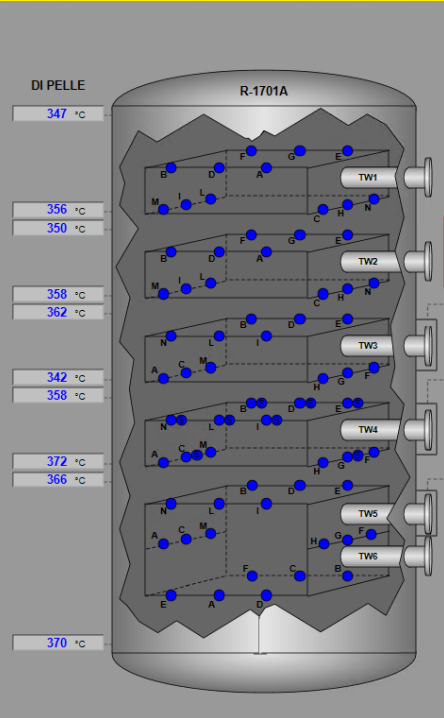


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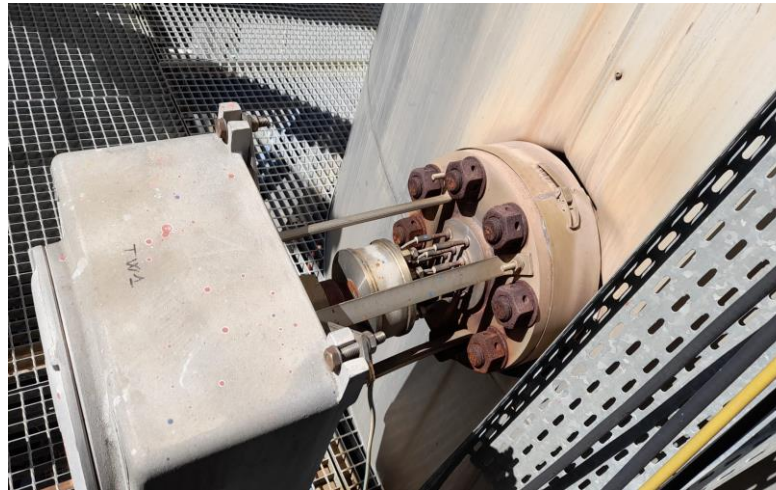


# Desulfurization Unit R1701A - 65 Barg - 385 ° C

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DCS view of reactor's  
temperature



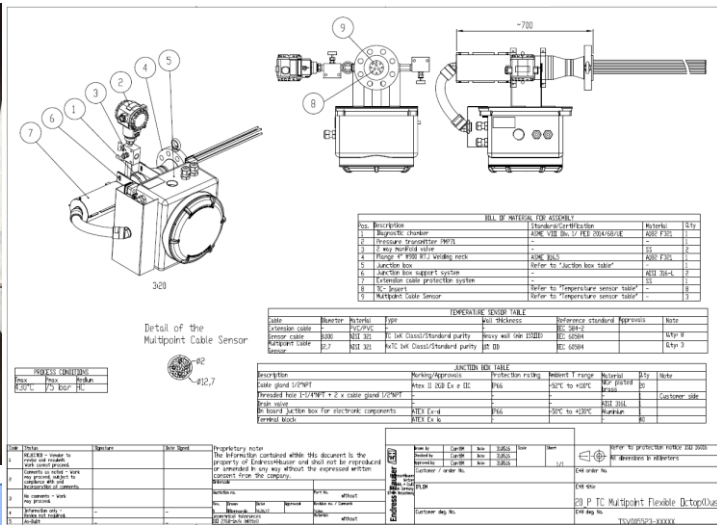
HDS plant built in the 1997, on the left we can see one of the original equipment in service on the reactor

During the years, we realized lots of upgrades of the temperature measurement system using new available technologies



# Desulfurization Unit

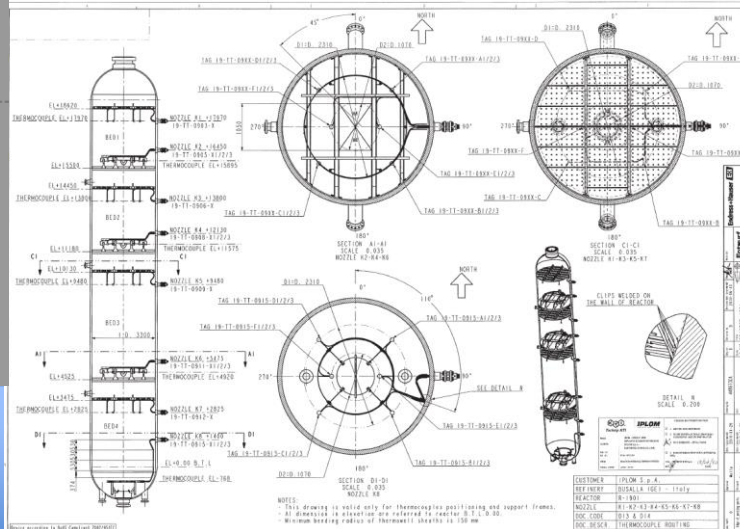
## R1701A - 65 Barg - 385 ° C



In 2018 IPLM & E+H started a comparative performance test of the iTHERM MultiSens Flex TMS02 multipoint assembly temperature system

The inside pressure of the security cell is monitored by a wireless pressure transmitter and the value is sent to our control room on the DCS



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# R1901

## Mild Hydrocracking - 70 Barg - 385 ° C

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■ VISCOM



In 12 years of work of this unit, IPLOM & E+H was able to provide the engineering solutions to make all the controls and actions necessary for a continue and safe use of the temperature control system

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We desire to continue to receive the necessary support to respect all the law recommendations that the technical Italian inspection organization defines; also according to our quality system.



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