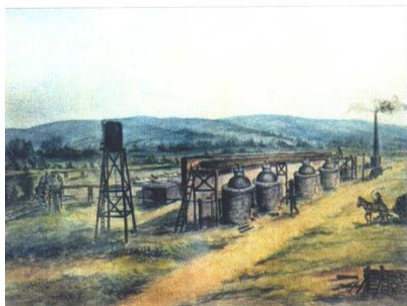


# **CREATING A SAFETY CULTURE FOR A SUSTAINABLE FUTURE IN PETROBRAZI REFINERY**

**TUDOR ANCA,  
HSSE Manager  
OMV PETROM - PETROBRAZI**

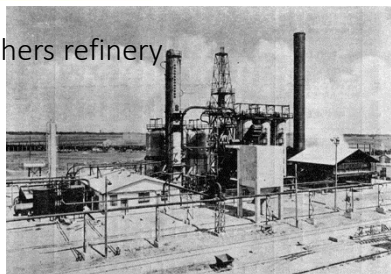
# More than 160 years of crude oil refining in Romania



Mehedințeanu brothers refinery



Crude oil extraction



- ▶ **Mehedințeanu brothers** operated a refinery in Ploiești as early as 1857
- ▶ **Romania produced 275 tons** of crude oil in 1857, recorded by international statistics
- ▶ **Bucharest, the first city in the world to use kerosene for street lighting**, on 1 st April 1857
- ▶ **In June 17, 1934 Creditul Minier Society** – Romanian capital company, established in early 1919, founded the refinery;
- ▶ **Creditul Minier – Brazi refinery** was almost all destroyed during the Second War, 1943-1944 was nationalized, becoming Brazi refinery, today Petrobrazi.
- ▶ **In December 2004, OMV** became the majority shareholder

# Petrobrazi Refinery- 85 years Experience/15 years after privatization

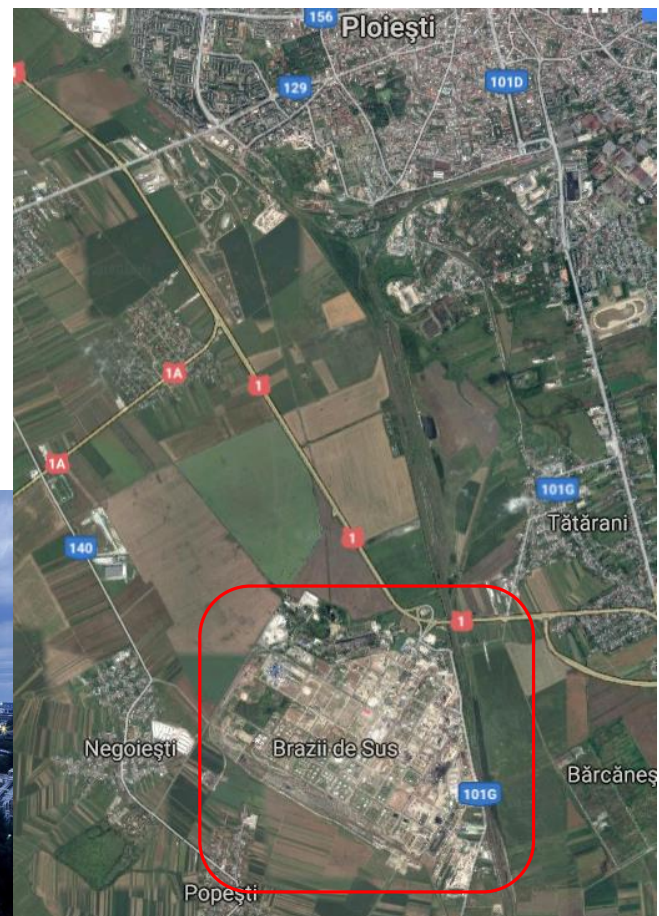
► Petrobrazi refinery is part of OMV Petrom SA

► Major units:

- 4.2 mn t/y crude distillation
- 1.5 mn t/y FCC
- 0.8 mn t/y Delayed Coker
- 0.5 mn t/y CR
- 1.25 mn t/y Gas oil Hydrofining
- 0.8 mn t/y FCC post - treater
- Cogeneration group

► Products obtained:

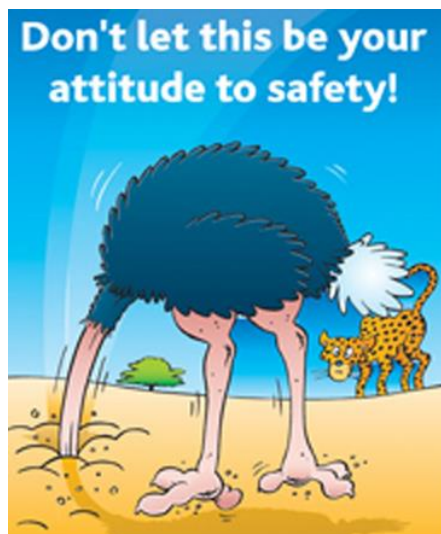
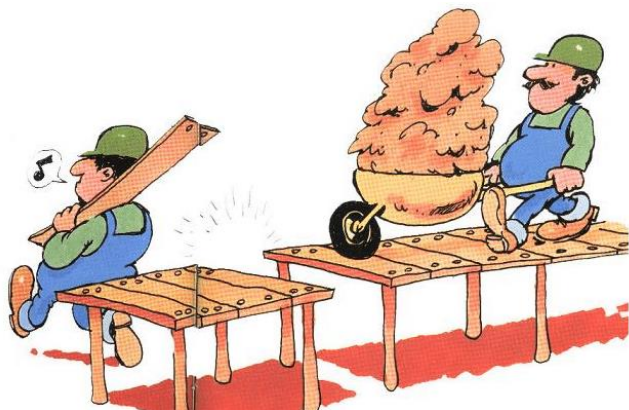
Gasoline, diesel fuels;  
Liquefied gases;  
Aviation fuels (Jet A1);  
Petroleum Coke;  
Sulphur, ETBE.



# Safety at the beginning

Main obstacles :

- *Attitude (attitudinal obstacles and misconceptions of leaders and employees)*



- *Roles and responsibility*



- *Training*



## Why people break rules?

- ▶ Never have, never will get hurt
- ▶ Rules do not apply to me

**Routine Violations**

**Reckless Violations**

**Optimizing**

- ▶ Solve problems for the first time and fail to follow good practice

**Exceptional**

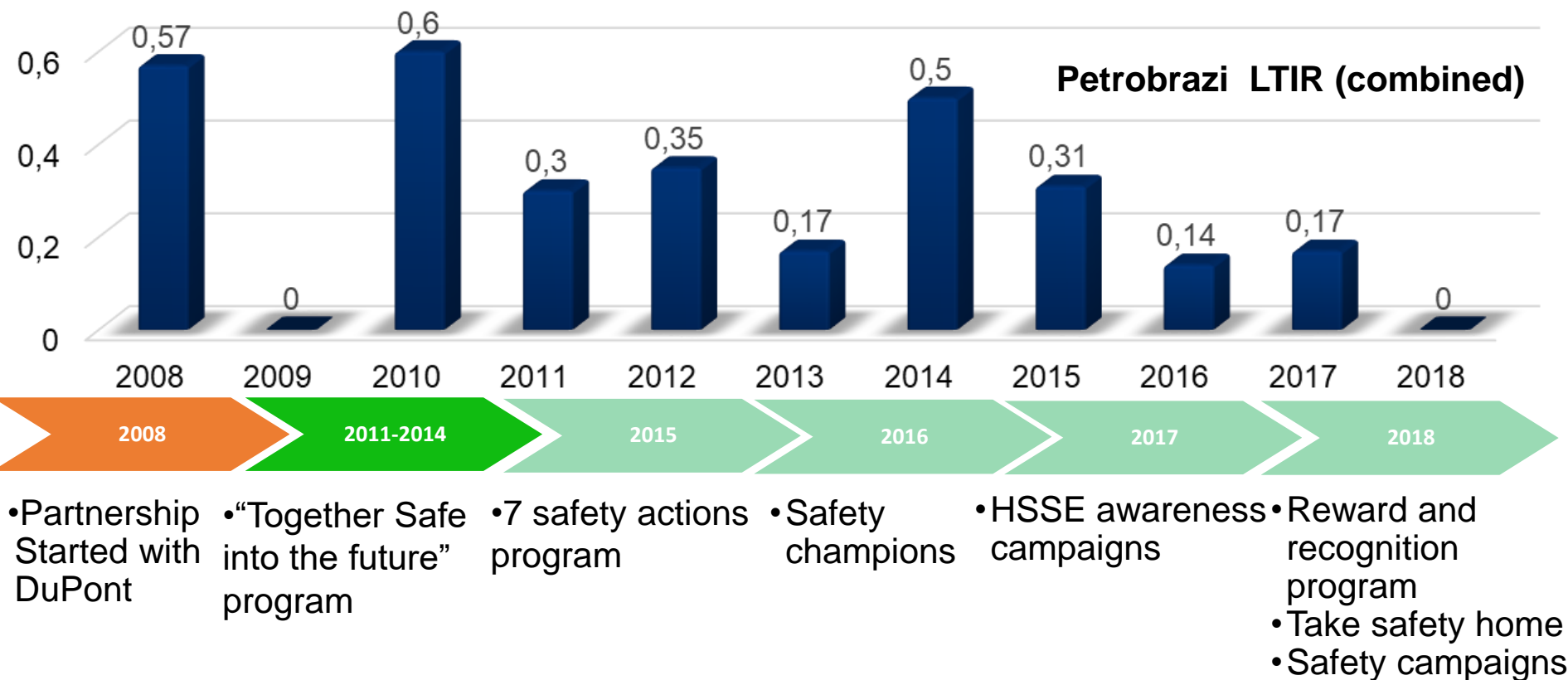
**Unintentional**

- ▶ Takes too much time

- ▶ Disciplinary inconsistency
- ▶ Everyone does it, don't they?
- ▶ No consequences for not following the rules
- ▶ Following the rules is a sign of weakness

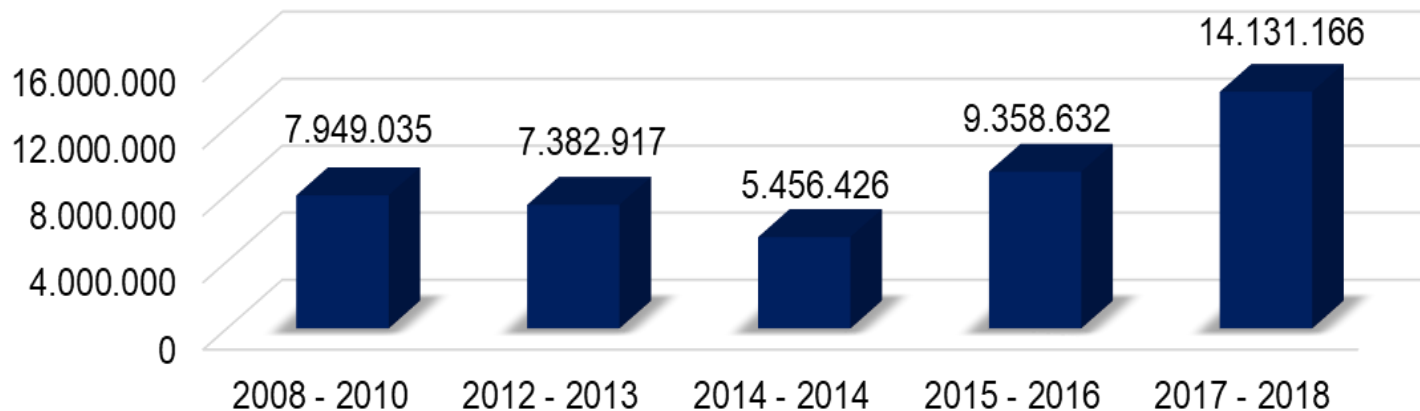
- ▶ Inconsistency of rules
- ▶ There are way too many rules
- ▶ Lack of agreement with the rules
- ▶ Rules make no sense

# Safety Culture Programs – Petrobrazil refinery



# Safety performance over the years

Hours without incident over the years



**On 5.02.2019 there were achieved 730 days without any incident**



# Safety as habit





# What we want to achieve



AS



# THANK YOU!

