

Manuel Chávez

Empowering Business in Real Time
PI Infrastructure for the Enterprise

PEMEX GAS Y PETROQUÍMICA BÁSICA

Amine & sulfur recovery

Cryogenic & fractionation

Transport & sales

Gas



PEMEX EXPLORACIÓN Y PRODUCCIÓN

Liquids





• H₂S/ CO₂ removal & sulfur production



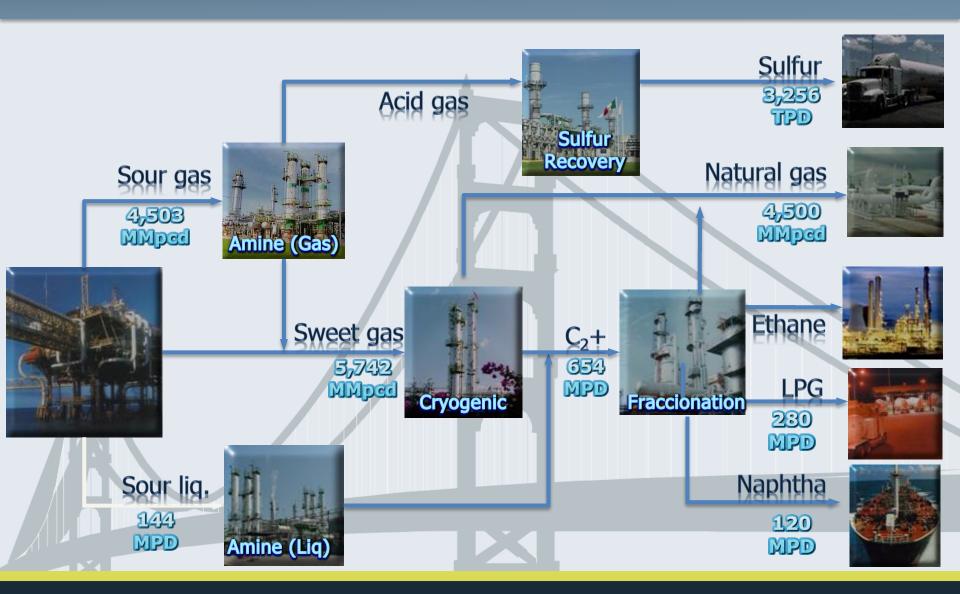
- Natural gas production
- C₂+ separation

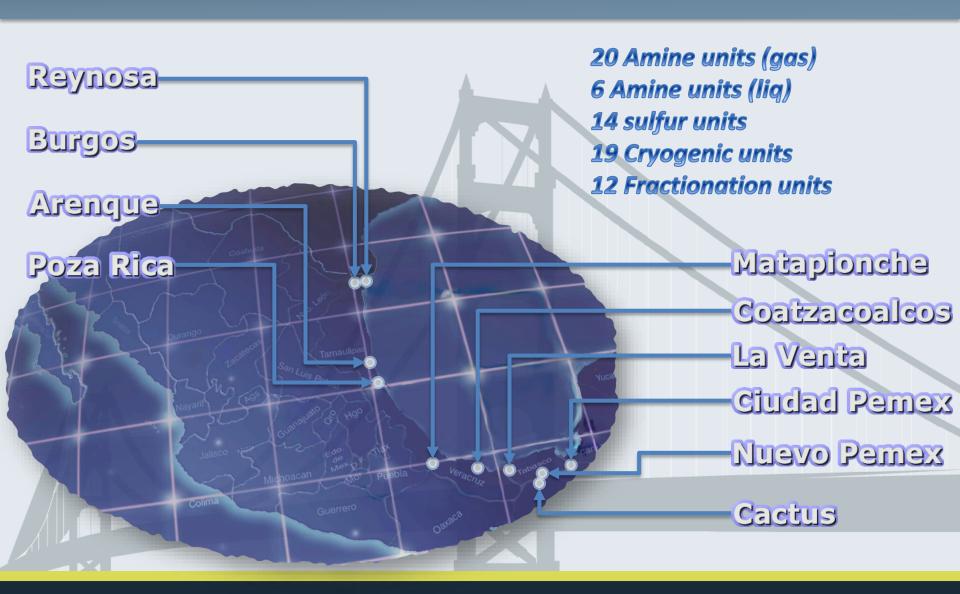


Production of:EthaneLPGNaphtha



- Natural gas
- LPG
- Ethane
- Sulfur
- Naphtha

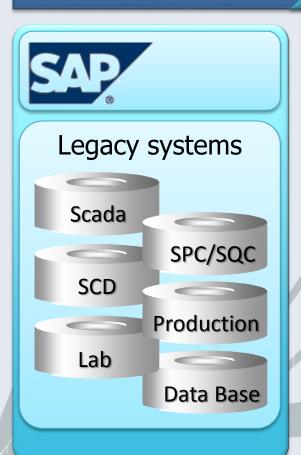




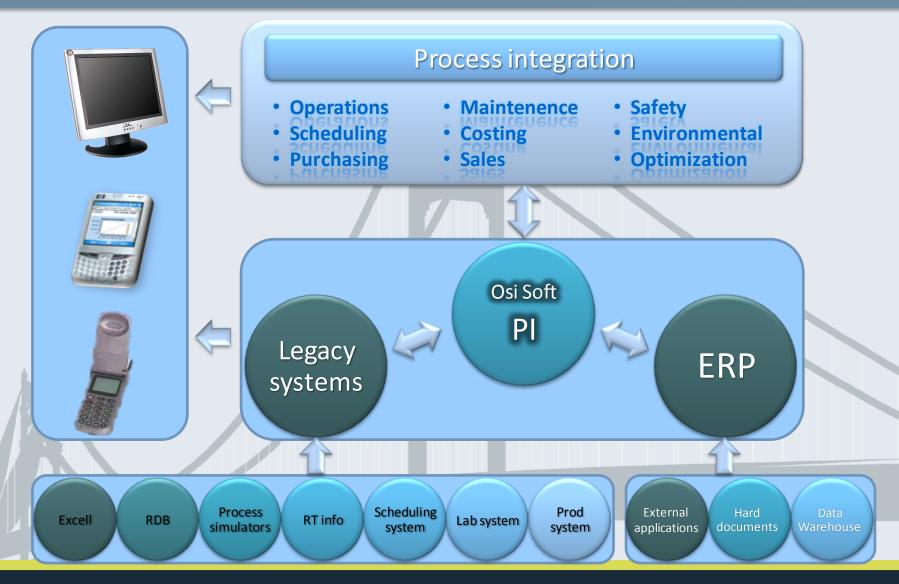
Data source

Gaps

Business decisions

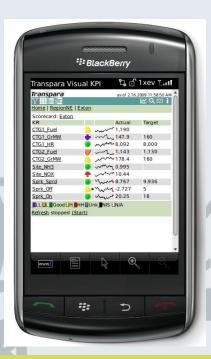


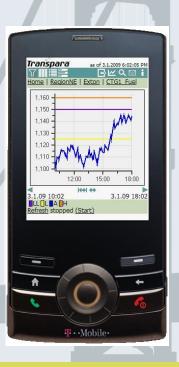
- **Integration** Time Training & Access Challenge
- Planning
- Production
- Operation
- Transport
- Maintenance
- Safety
- Environment
- Costs
- Optimization
- Sales
- Clients



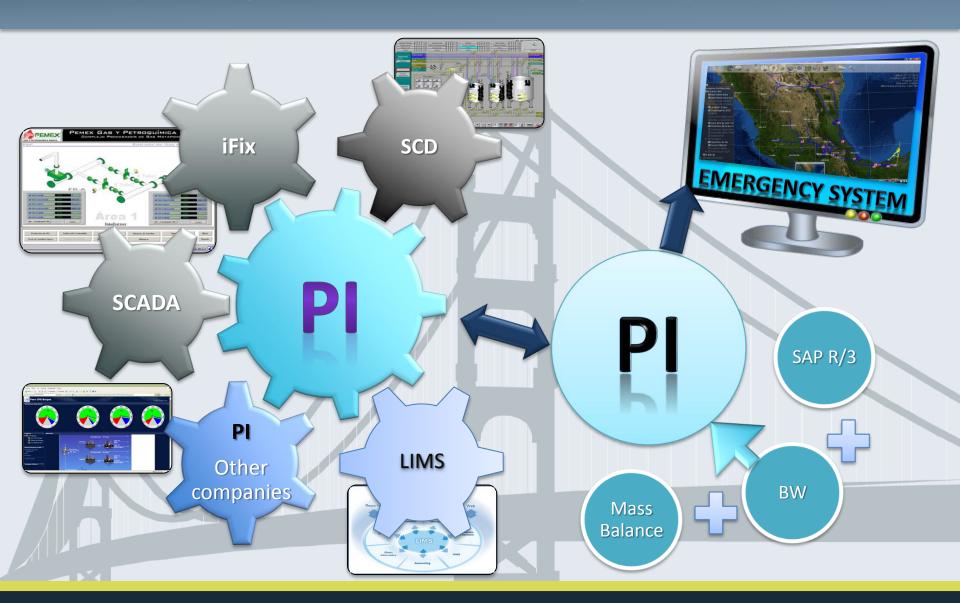
Visual KPI at PEMEX

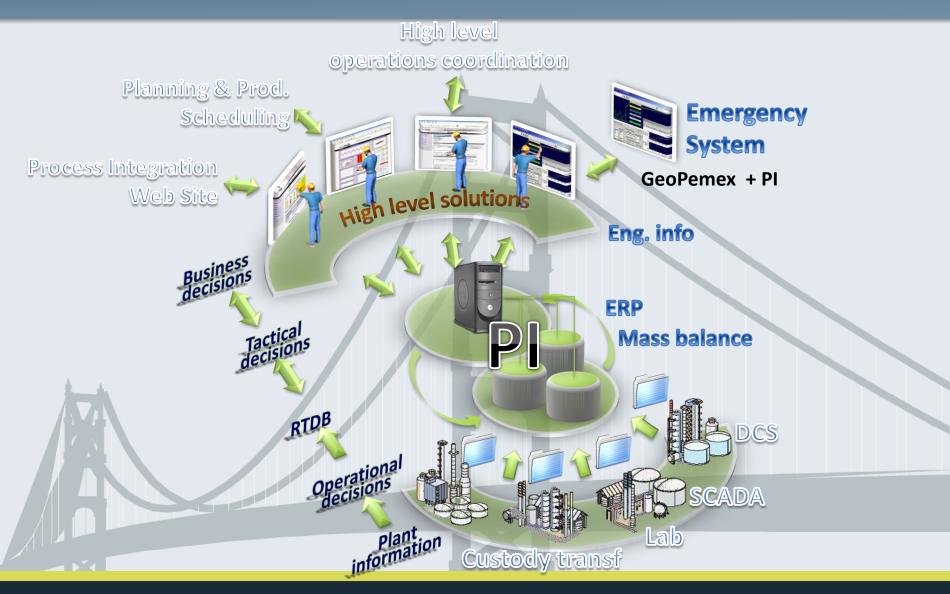
- Pemex Gas
- Pemex Exploration & Production
- It puts PI in our pockets!

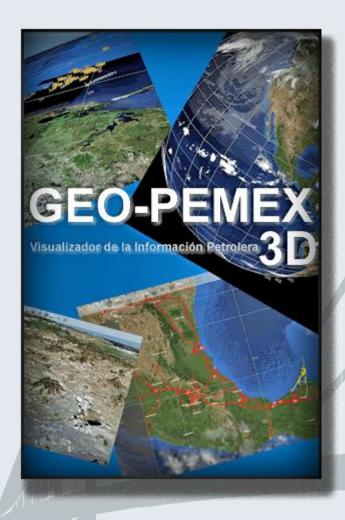




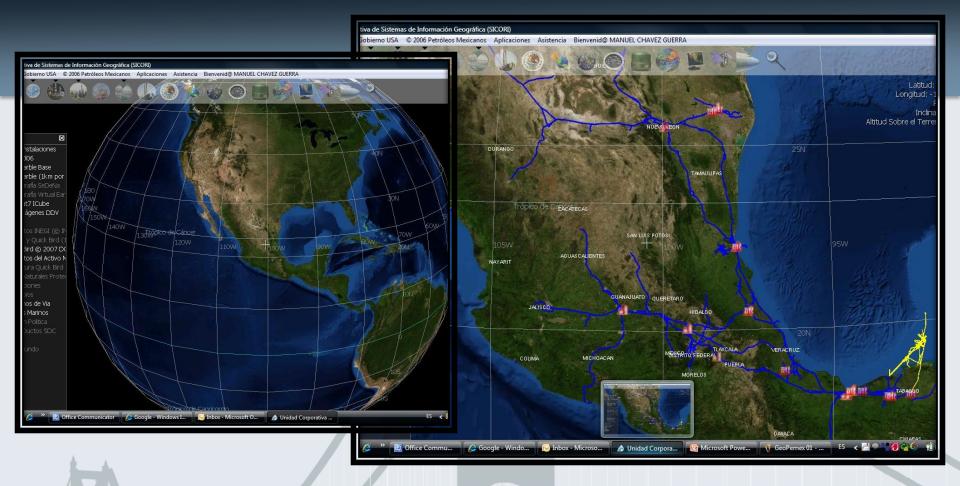




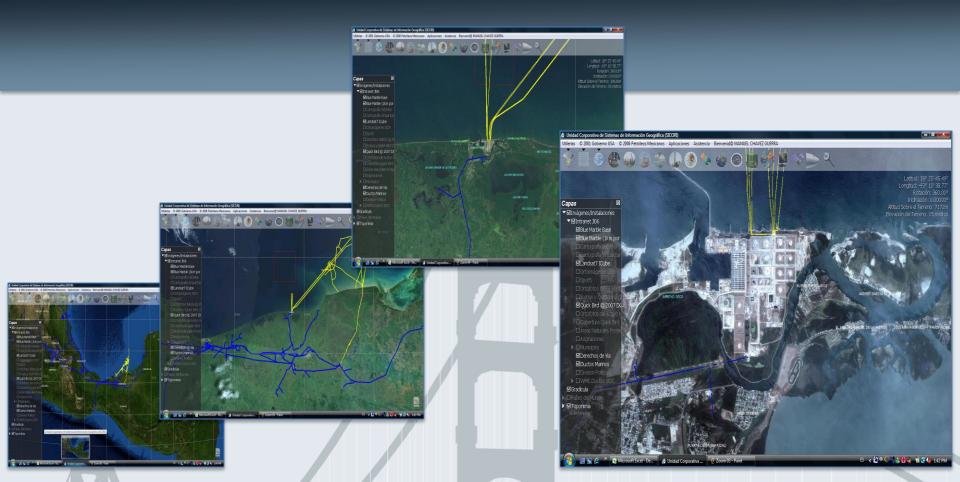




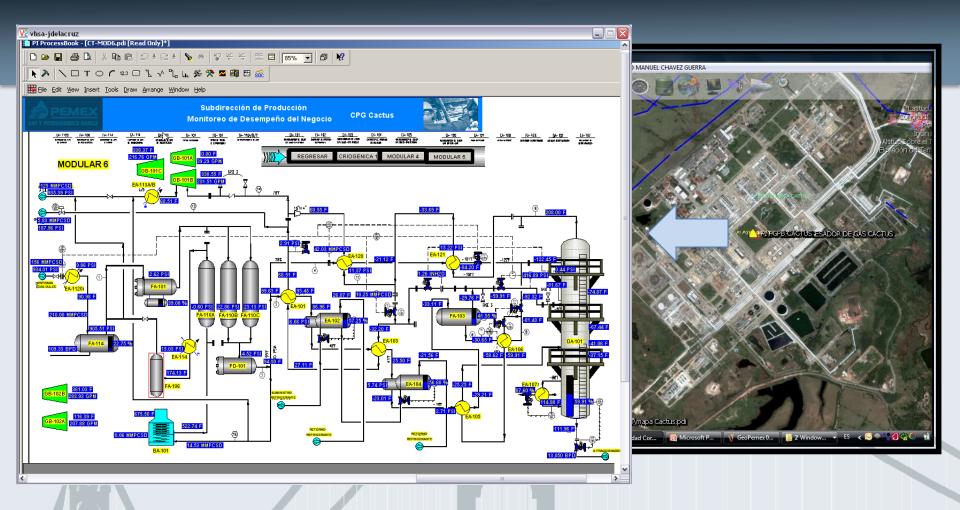
- visualization of PEMEX and more than 200 thousand cities, counties and towns in México. It is built on a geographic environment including satellite images and aeropictures.
- GEO-PEMEX features include:
 - Railways plotting over 3D maps
 - Pipelines
 - On-shore and Off-shore facilities
 - Refineries, petrochemical and gas plants
 - Political information
 - Military data
- GEO-PEMEX allows to configure links for different applications such as RT information.



- Emergency system must be an "easy to use" solution
- > "Google earth" type solution enable everybody to have a quick start
- ➤ It is available information of refineries, petrochemical and gas plants besides onshore and offshore production locations.



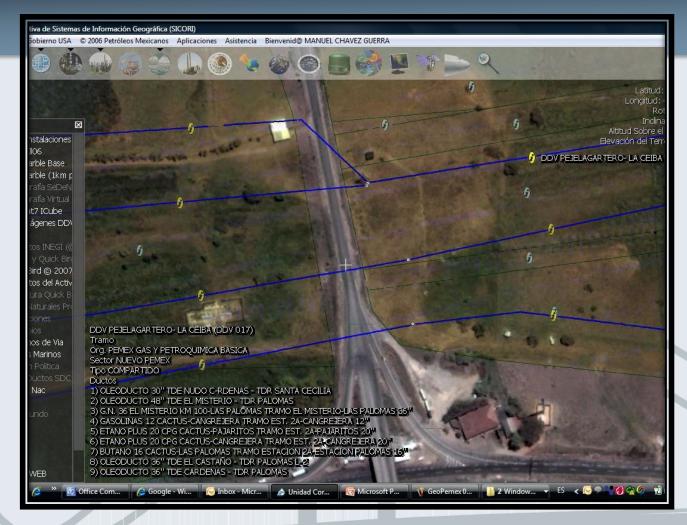
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➤ Clicking on the PI-Links it is possible to reach RT data

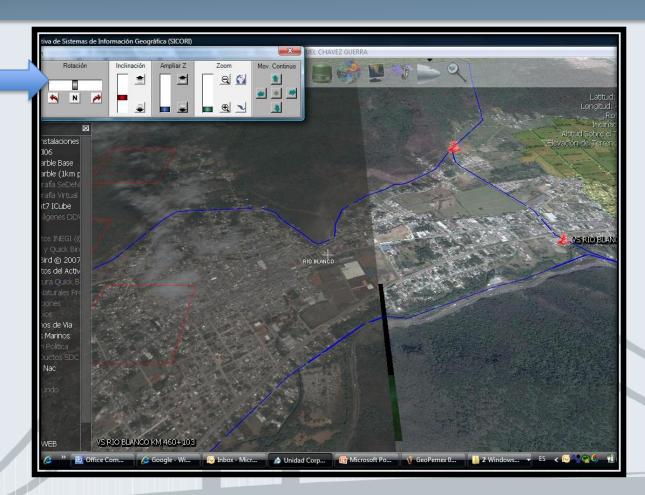


➤ Pipelines RT data is available



Detail railway information when cursor is located over "I" icon.

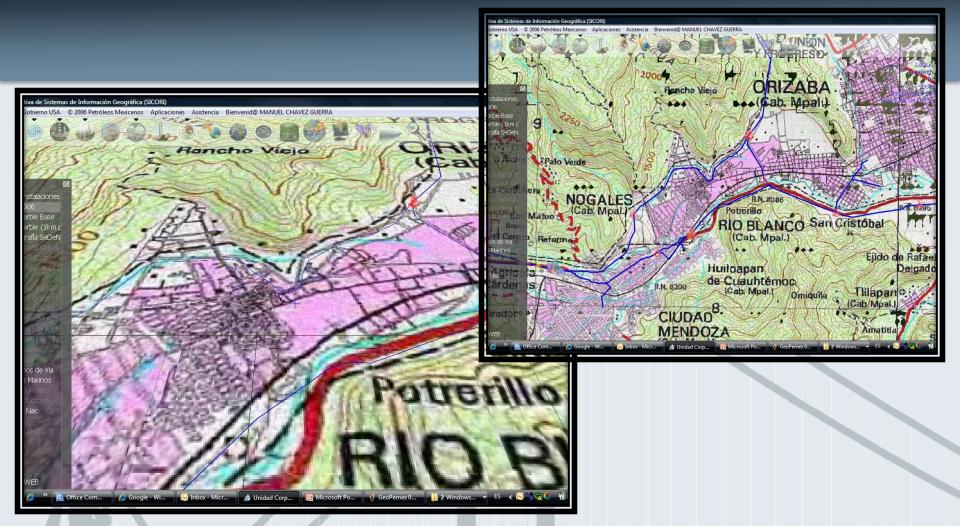
Navigation controllers



PI supporting Control & Monitoring Emergency Systems

➤ Perspective visualization

OSIsoft. 2009 USERS CONFERENCE SAN FRANCISCO



➤ Military maps

OSIsoft. 2009 USERS CONFERENCE SAN FRANCISCO



LIVE DEMO

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