



FUELS INDUSTRY
Association of South Africa

Engen Durban Demolition Update

2025



DEMOLITION BACKGROUND

- After the major fire in at the CHD Unit in 2020 it was no longer feasible to continue as a refinery.
- Units were decontaminated and placed in preservation until the new business plan was decided.
- The decision made by Engen MANCOM was to convert the refinery to a terminal.
- Once all the due diligence and approvals were obtained, certain parts of the refinery were identified for demolition to facilitate the latest business plan of a refinery to terminal.



Methods, Risk Assessment and Demo Planning

- Units planned for demo were shut down, de-pressured, decontaminated, flushed, vented and declared “gas free”.
- Joint risk assessments, site walks and identification of potential threats was conducted by the leadership team.
- Demolition experts shared methods for each job step and each job step was reviewed and controls were identified to reduce the risk to ALARP.
- Demolition areas were ring fenced and handed over to the demolition team.



Methods, Risk Assessment and Demo Planning

- Hot work was only permitted in certain areas, and in potential higher risk areas only cold cutting is permitted.
- Mock drills were planned, tested and this helped with the collaboration and incident management during the small fire incident.



SAFOR PROGRESS

SAFOR is the 1st unit
For Demolition

Excavator
Separating
Ferrous,
Non-ferrous
Metals and rubble





SAFOR PROGRESS



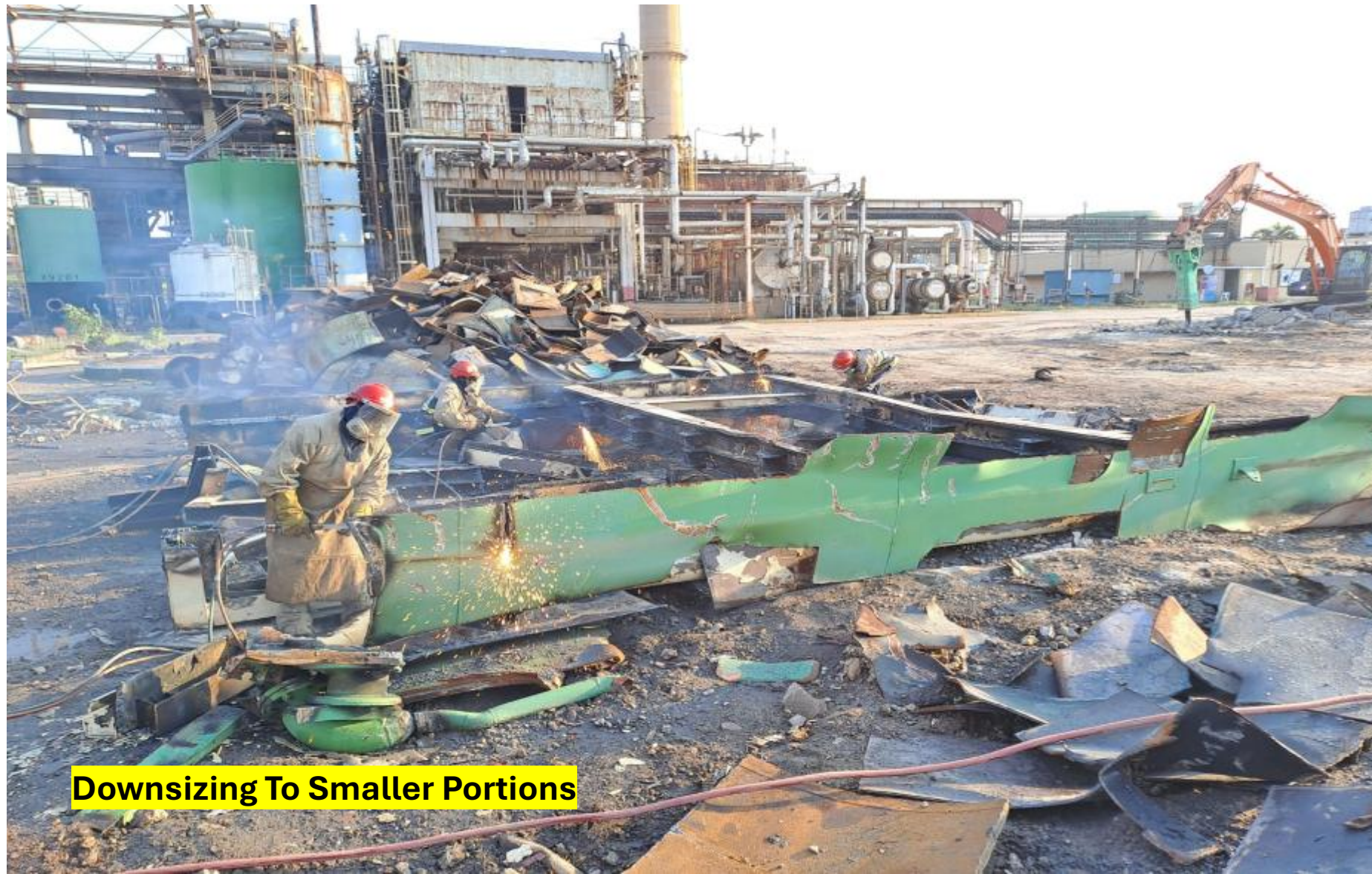
Hydraulic Shears busy
With downsizing

Redundant Unit Being Demolished



SAFOR PROGRESS

**Open Flame Hot work in
Designed Hot work Area**



Downsizing To Smaller Portions



SAFOR PROGRESS

**SAFOR Storage Tank Farm
25 Storage Tanks Removed**





SAFOR PROGRESS

**Latest Progress of SAFOR
Most of the Process Unit
Removed**





Asphalt and Poly - SCPX

Work has Started in other units when there are hold Points in SAFOR to ensure Less down time.





Combo Unit

Removal of Redundant Piping

Segregation from Live Lines





Combo Unit

Removal of Redundant
Piping

Segregation from Live Lines





CLOSING

- To date there has been 1 minor fire during the demolition activities.
- We have also had some noise complaints from neighbours.
- The next units in line for demolition are NCPX and SCPX.
- The communication and working relationship between the demolition contractor, Engen fire department, Engen Operations, Engen Safety and Engen PSM has been great which has made this difficult task manageable to date.
- There is still a long way to go, and many more difficult milestones to overcome, but the teamwork has yielded great results thus far. We will continue to work together to manage the demolition activities and reduce the risk to ALARP.



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Thank You

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