

# Osmoflo – Oil and Gas

George De Cicco – October 2015



World class desalination

(08) 8282 9700, [mail@osmoflo.com](mailto:mail@osmoflo.com)

# Osmoflo - Technology Driven Solutions

- All Process Technologies to achieve objectives
  - Camp/Site Drinking water
  - Process water
  - Demineralised water
  - Treatment for Reuse or Environmental release
  - “Innovative” processes, custom-engineered around client objectives
- 24/7 monitoring and support through advanced automation and control.
- Priority on R & D
  - Osmoflo Brine Squeezer (OBS).
  - Global search for developing technologies.

## Osmoflo Finance Solutions

- Capital Purchase (D&C)
- Design, Build, Operate, Maintain (DBOM)
- Build, Own, Operate (BOO)
- Build, Own, Operate, Transfer (BOOT)
- Rental / Lease

## Osmoflo Brine Squeezer (OBS)

- Developed 'in-house' over >10yrs of development
- Maximises recovery of brine from RO plants.
- Innovative design and operational strategies to manage fouling and scaling by combining known membrane principles.
- Piloted - Demonstrated recovery of 95% and above.
- Currently used for leading CSG project – Narrabri Gas Project.

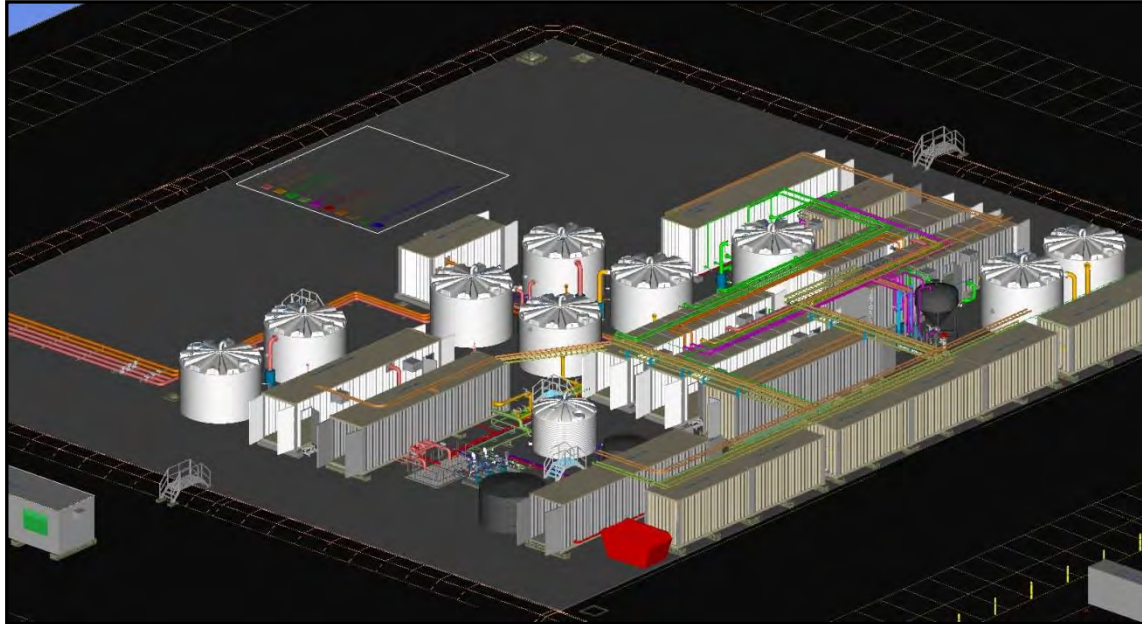
## Narrabri Gas Project

- Client: Santos, Energy NSW.
- Turnkey project: design, build, operate and maintain water treatment plant
- Capacity: 1 ML/d
- 3 year O & M, with possible extension to 5 years
  - 24/7 monitoring and support utilised
- Patented Osmoflo Brine Squeezer (OBS) technology deployed

## Narrabri Gas Project

- Client: Santos, Energy NSW.
- Turnkey project: design, build, operate and maintain water treatment plant
- Capacity: 1 ML/d
- 3 year O & M, with possible extension to 5 years
  - 24/7 monitoring and support utilised
- Patented Osmoflo Brine Squeezer (OBS) technology deployed

# Narrabri Gas Project – Design & Engineering



3-D plant model developed in-house

# Narrabri Gas Project – Workshop Prefabrication

Fabrication & Interconnecting Pipework



Minimal site-fabricated piping

Pre-fabricated Structures &  
Supports



## Narrabri Gas Project – Workshop Prefabrication



Containerised  
Plant  
Equipment



Pre-wired &  
Pre-Piped