

# Surface Jet Pumps (SJP) Avoiding Compressors Upgrade

## UK - Offshore

### Issue

- Existing compressors bottlenecked and required re-wheeling

### Solution

- To cover a wide operating range, three SJPs used in parallel
- Each SJP could be switched on/off depending upon the demand
- HP gas from the existing compressor used as motive

### Benefits

- SJP operation range between 9 to 107 MMscfd, thus handling LP flow variations
- Production increased up to 20%
- Backpressure reduction of 7 to 8 bar
- Additional flowrate gain of 6 to 8 MMscfd
- Increased intake capacity of compressors
- Debottlenecking exiting compression facilities
- Deliver the combined flow at higher pressure at the compressor suction

