

# Digital Asset Twin

Software facility replicating behavior of the key elements of subsurface and surface [Petroleum Asset](#) facilities:

- rocks, reservoir, flow, well, surface pipelines, pumps, processing plants)

and activities:

- drilling, workovers, well completions, lift settings, surface pumps and pipelines, including well and reservoir surveillance (well tests, open-hole logging, cased-hole logging, tracers)

The key value of the [Digital Asset Twin](#) is to provide:

|   |                                                                                                                                                                        |
|---|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | Monitoring the difference between the actual and simulated <a href="#">asset</a> response to <a href="#">anthropogenic activity</a>                                    |
| 2 | Advising facility for the production performance deterioration and possible solutions                                                                                  |
| 3 | A safe and fast environment for testing innovative analytical and advisory solutions                                                                                   |
| 4 | A safe and fast environment for training and testing the human capabilities in various disciplines and team work around purpose-built synthetic <a href="#">assets</a> |

## See Also

[Petroleum Industry](#) / [Upstream](#)