

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 asset response to anthropogenic activity
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 assets

See Also

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