

What are the most up-to-date developments in sand control chemicals?

Petronas



Investigating state-of-the-art developments in sand control chemicals

We provided a comprehensive and in-depth assessment of the most up-to-date developments in sand control chemicals for an oil and gas (O&G) operator.

Technologies

- Sand control
- Sand consolidation
- Sand agglomeration

Domain expertise

- Production Chemistry
- Production Engineering
- Sand management

Our client asked:

Our client was interested in conducting a technology scanning evaluation of sand control chemicals with two specific areas that were high on our client's list of priorities: sand consolidation and sand agglomeration chemicals.

The client wanted to have answers to the following questions:

- What are the developments of different chemical sand control technologies in the past 10 years?
- What technologies have those leading organisations been involved with?
- Who are the leading organisations worldwide in each technology area?

The project story:

Our study focused on providing details on leading R&D industry players in sand control chemicals, focusing on their existing products, current research, and future research plans out to a five-year horizon.

We identified relevant paper abstracts from 2001 to 2011 and examined full papers selected from this list.

A comprehensive patent review was also conducted to identify new technology filings.

Results: deliverables and outcomes

We identified technology gaps which were later used to generate a view on recommended research areas for our client's R&D activity.

Our client was provided with insights about the most recent commercially available technologies, as well as those under development.

Our client was able to identify the leading operating oil, service, and chemical companies – as well as research organisations active in this space – which were useful for our client to compare with its own activities.

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