

Bulk Scale Analysis (BSA™) Helped Digitize Aker BP's Scale Management

INTRODUCTION

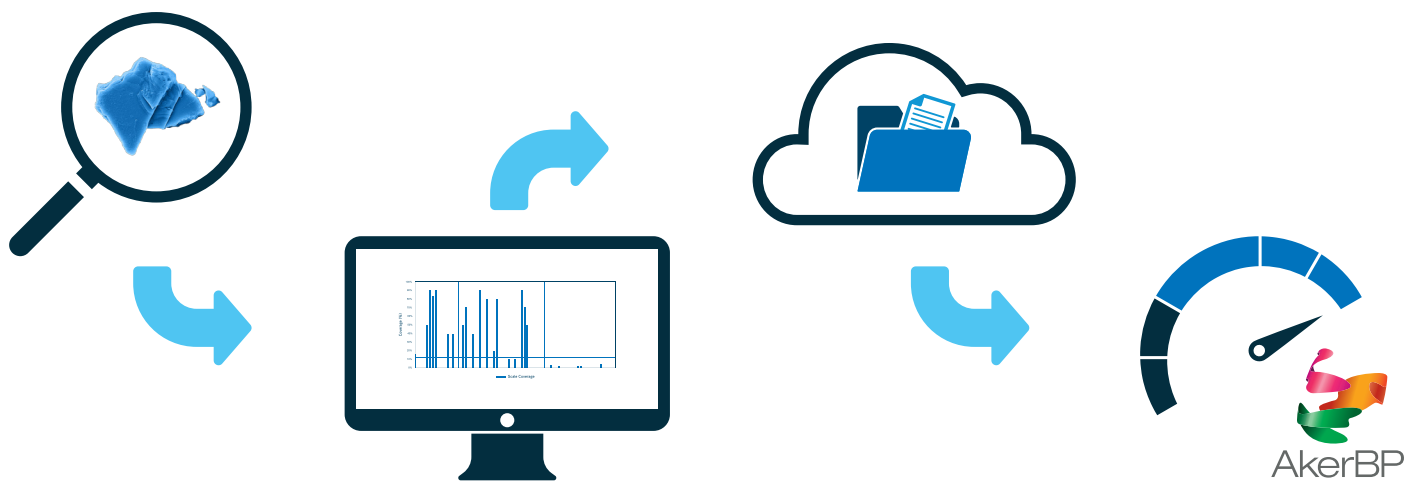
BSA™ is used by many operators worldwide to monitor the amount and type of inorganic scale particles in produced water. This is based on statistical ESEM/EDX analysis of up to 1000 randomly chosen particles deposited onto filter samples when filtering produced water samples.

The results can be trended over time as a scale inhibition performance indicator. BSA™ is used as an early warning and key parameter in the operators' scale management process, together with e.g., scaling ion concentrations, productivity index and scale inhibitor concentration.

THE PROBLEM

Very often results from different production chemistry related laboratory analyses are reported to operators as PDF documents. The data is then manually typed or copied by their personnel into other operator specific Excel spreadsheets or databases.

This may cause erroneous data being added into these spreadsheets and databases due to mistyping of values. This can be followed by a risk of misinterpretation and non-optimal decisions. This manual process is also time consuming.



Process from analysing the particle's scale type to processing and migration of data into Aker BP's data management system.

CUSTOMER
AKER BP

LOCATION
NORTH SEA AND
NORWEGIAN SEA, NORWAY

PRODUCTION TYPE
OFFSHORE OIL

SCALE PROTECTION SERVICE
BULK SCALE ANALYSIS (BSA™)