

# Technology licensor for **solvent deasphalting**

Achieving high efficiency separation and operating reliability

Legacy Foster Wheeler business



# Bottom of the barrel upgrading solution

Debottleneck existing residue conversion units and significantly improve residue upgrading efficiency

## Technology benefits

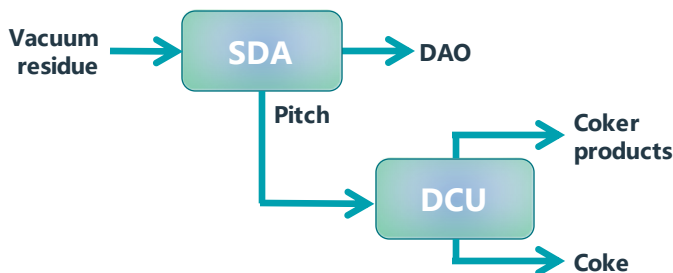
- Low cost revamp to improve DAO quality / yields
- High operating reliability
- Driven to enhance value and ensure high safety standards
- Improves upgrading project economics
- Differentiated packing layout
- High efficiency packing improves residue upgrading
- Extraction technology and flow scheme improvements
- Supercritical solvent recovery to minimise utility OPEX



**70+** operating units with over 50 licenses

**85+** years of global experience

## SDA + DCU integration



- Increases liquid yields of desirable products
- No residual fuel oil product
- Further increases refinery margins

Advanced, counter-current extractor design that includes specially-designed internals and structured packing to provide maximum separation efficiency

Optimized heat integration and supercritical solvent recovery minimizing capital and utility consumption

Flexibility to process atmospheric (AR) and vacuum (VR) residue feedstocks as well as optimize products for downstream unit processing

Pilot plant access for product yields and quality optimization as well as technology improvements

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