



CASE STUDY

Maximize performance with UFM™ Max for revamps

UFM Max as a drop-in solution to meet capacity increase,
reliable plant performance with wide operating range.



Customer's challenge

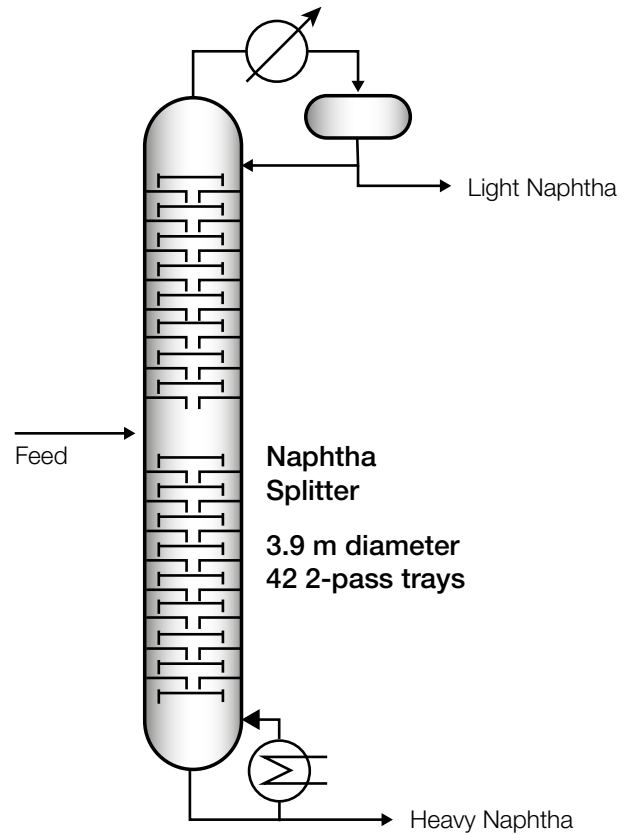
A refinery customer aims to increase feed throughput to the naphtha splitter column by 15%. The column, which is equipped with 42 2-pass conventional movable trays, is unable to handle the increased loadings. The revamp has to be executed within a short turnaround period, with minimum modification on the column shell.

Customer-centric solution

Considering customer's technical requirements and mechanical constraints, Sulzer proposes one-for-one tray replacement to meet the capacity increase. The superior capacity of UFM Max, compared to existing conventional valves, is sufficient to accommodate the increased throughput, eliminating the need to modify downcomers for more active tray deck area. This optimized modification scope will enable faster installation and help shorten the turnaround time.

Performance of UFM Max:

	Conventional movable valve	UFM Max
Feed flow rate	base	+18 %
Turndown ratio	4:1	5:1



A10691 en 7.2025, Copyright © Sulzer Ltd 2025

This case study is a general product presentation. It does not provide a warranty or guarantee of any kind. Please contact us for a description of the warranties and guarantees offered with our products. Directions for use and safety will be given separately. All information herein is subject to change without notice.

UFMmax@sulzer.com