



Record-fast delivery ensures production

Refinery, US Gulf Coast

Case story



A large refinery on the US Gulf Coast decided to replace the plate bundle in its Packinox heat exchanger. Time was a critical factor for the customer, and thanks to the strong dedication and hard work from the project team, the time from initial offer to delivery was a record-fast seven months.

Long service life

The refinery has used Packinox heat exchangers for heat recovery in its catalytic reformer unit since 1996, and is very satisfied with the exceptional energy recovery.

New plate bundle

In April 2017 the management team decided to replace the plate bundle in order to increase the throughput. A short delivery time was critical in order to be able to install the plate bundle during a planned turnaround.

The Alfa Laval team worked closely with the teams from the EPC company and the refinery to make sure the delivery time was met.

Thanks to the hard work and good cooperation between the teams, the new plate bundle was delivered after just seven months instead of the typical twelve months delivery time for a bundle. To minimize the delivery time, the new plate bundle was flown from the Packinox production facility in France to Houston in an Antonov An-124.



The plate bundle is offloaded from the transport airplane at Houston airport

Good results

Immediately after arrival, the new plate bundle was installed and commissioned by the refinery technicians under the supervision of specialists from Alfa Laval.

The unit was started on schedule and its performance was in line with the guarantees. The customer was fully satisfied with the project execution.



Lifting Controller

Optimum lifting and increased flexibility



Wide Opening Design

Maximum heat recovery



Lifetime Follow-Up

Continuous monitoring and optimization



Spray Bar

Effective mixing of the liquid feed and the recycle gas



Explosion Forming

High-strength plates with long, reliable lifetime

Learn more at www.alfalaval.com/packinox.

Fast facts

The plant

A large refinery on the US Gulf Coast.

The challenge

To deliver a new plate bundle in a very short time for installation during a planned turnaround.

The solution

The close cooperation between three dedicated teams from Alfa Laval, the EPC and the refinery made it possible to deliver the new plate bundle in seven months.

The benefits

- Higher throughput
- Lower energy consumption
- Low pressure drop

How to contact Alfa Laval

Up-to-date Alfa Laval contact details for all countries are always available on our website at www.alfalaval.com.