

EPAL SAMUDERA SDN. BHD.

Project References 2013 – 2026

PETRONAS-licensed (Bumiputera Local) · JKKP-licensed tank & pressure-vessel fabrication PVM01 / PVR01 · ISO 9001:2015 · Peltech group

Client confidentiality. 54 projects by Epal Samudera and its Peltech group manufacturing companies. Client names, purchase order numbers, equipment tags and plant locations are withheld. Named references and completion records are available to qualified buyers and PETRONAS-group procurement on request: sales@epalsamudera.com.

Mist eliminators (22)

Year	Sector / country	Project & scope
2026	LNG Malaysia	Demister pad replacement, LNG plant SS304 knitted-mesh demister pad Ø2,100 mm × 100 mm in 7 sections with support grids, cleats and clamps: fabricated in 10 days and air-freighted to East Malaysia.
2026	Oil & gas Malaysia	Knitted-mesh demister pads SS304 demister pads Ø1,500 mm × 150 mm, 5 sections, with support grids, studs and brackets.
2026	Fertilizer Malaysia	Site survey and rectangular demister Site visit and measurement, then design and supply of a 1,300 × 1,700 × 100 mm SS304 pad in 4 sections with support grids. Delivered through a maintenance contractor.
2026	Refining Malaysia	Monel demister package for a refinery separator Monel 400 mesh pads with SS316L grids: horizontal pads up to 2,027 × 1,727 × 305 mm plus a vertical Ø2,743 mm pad in 16 sections.
2026	Refining Malaysia	Replacement demister pads SS316 knitted-mesh pads Ø324 mm × 75 mm with top and bottom grids, 3 sets.
2026	EPC contractor Malaysia	Demister pads for a new-build package SS316 knitted-mesh pads Ø1,200 mm × 150 mm in 3 sections with grids, 3 sets.
2026	Refining Singapore	Two-layer demisters, large diameter Two-layer mesh demisters Ø3,048 mm and Ø3,960 mm, plus pads for four further vessels, with grids and binding finish.
2026	Specialty chemicals Singapore	Fibre-bed mist eliminators Fibre-bed candle mist eliminators (4 sets) and process blow-back separators (4 units) as replacements for the original equipment.
2024	Petrochemical Singapore	Demister pads for four vessels SS304 pads Ø650 to 1,500 mm with grids, bolting and guide plates, plus an additional Ø1,000 mm pad.
2024	Utilities Singapore	Rectangular demister pads Four sets of SS304 pads 4,600 × 240 × 100 mm with top and bottom support grids.
2023	Industrial gases Singapore	Demister pads with round-bar grids Six sets of SS316 pads 790 × 500 × 88 mm with round-bar support grids.
2023	Gas processing Malaysia	Large demisters for gas processing plant vessels SS316L knitted-mesh pads Ø3,910 mm × 150 mm (2 sets) and Ø1,060 mm for gas processing plant separators.

2023	Refining Southeast Asia	Ø5.9 m separator demister SS316 knitted-mesh demister Ø5,944 mm × 152 mm for a refinery separator, supplied through a process licensor.
2023	Oil & gas production Malaysia	Demister pads for a production vessel SS316L pads Ø1,870 mm and Ø1,880 mm × 100 mm for an oil & gas production facility in East Malaysia.
2023	Petrochemical Malaysia	Knock-out tank demisters SS304 pads Ø2,200 mm, Ø950 mm (2 sets) and Ø295 mm for a synthetic rubber plant knock-out tank.
2022	Fertilizer Malaysia	Demister pads with site installation SS304 pads Ø1,218 mm and Ø861 mm with grids and fixings, plus engineer inspection, installation labour and commissioning on site.
2019	Fertilizer Malaysia	Monel separator demisters Monel demister pads Ø2,656 mm × 120 mm, 2 sets, for a fertilizer plant separator.
2018	Refining Malaysia	Site survey and knock-out drum demisters Site measurement and inspection by our engineers, then SS304L pads Ø1,800 mm (2 sets) and 686 × 686 mm with support grids.
2016	Petrochemical Saudi Arabia	Super duplex demister for a hydrogenation drum Super duplex UNS S32750 demister Ø3,000 mm × 300 mm for a vapour-liquid separation drum, supplied through a Malaysian EPC contractor.
2015	Refining Singapore	Demister package for 14 vessels SS304L knitted-mesh demisters for 14 vessels, including a Ø3,048 mm pad in 16 sections and two-layer designs.
2015	Refining Malaysia	Refinery demister package, 11 pads Eleven demister pads in SS304, SS316 and Monel, round and rectangular up to Ø2,743 mm and 2,027 × 1,727 × 305 mm.
2013	Fertilizer Malaysia	Ammonia separator demister, plant revamp SS304L demister Ø1,500 mm × 150 mm for an ammonia separator during an ammonia and urea plant revamp.

Column internals & packing (12)

Year	Sector / country	Project & scope
2026	Petrochemical Malaysia	Dual-flow trays, 3.6 m column Fabrication of new SS304 dual-flow trays, plate Ø3,598 mm, 4 sets, to the client's drawings. Delivered through an engineering contractor.
2026	Refining Singapore	Tray valves and manway fasteners 200 SS410S tray valves and 256 manway fastener assemblies in SS410 and Monel 400 for a distillation column.
2026	Refining Singapore	Wire-mesh screen grids SS304 wire-mesh screens for Ø2,286 mm grids in 3 sections, SS321 mesh rolls, bolting and fixings.
2026	Process licensor Malaysia	Structured packing and demister, 2-week delivery SS316L structured packing for columns Ø2,876 mm and Ø3,950 mm, plus a Ø3,000 mm demister in 12 sections.
2025	Petrochemical Singapore	Random packing SS304 cascade mini-ring random packing for column service.

2024	Lubricants Malaysia	Liquid distributors and support grids SS316L internals for two packed columns, ID 3,000 mm and 2,400 mm: liquid distributors, locating grids and packing supports.
2023	Offshore gas Malaysia	Column caps for a gas plant turnaround 2,500 filter caps and 3,000 bubble caps for a column, supplied for a gas processing turnaround.
2021	Gas processing Southeast Asia	Absorber support grids Internal support grids for gas absorber vessels ID 2,480 mm, supplied through a process licensor.
2020	Offshore gas Malaysia	Catalyst support grids for absorber vessels Support grids for two gas absorber vessels ID 4,000 mm and two condensate absorbers ID 2,100 mm for an offshore central processing platform.
2019	Process engineering Malaysia	Scrubber and absorber internals SS316L pipe risers, riser tube sheets and inlet distributors for scrubbers and an absorber, with installation tools.
2016	Gas processing Southeast Asia	Gas dehydration package internals SS316L packed-bed distributors up to Ø2,180 mm with anti-surge baffles, 19 pipe riser sets and a scrubber inlet distributor.
2016	Gas processing Malaysia	Inline gas separator inducers SS316L first- and second-stage inducers for a 24-inch inline gas separator.

Strainers & filters (11)

Year	Sector / country	Project & scope
2026	Refining Singapore	Reusable diesel filter elements 16 reusable SS316 elements for a diesel product filter, re-meshing of Inconel basket elements and basket modification.
2026	Specialty chemicals Singapore	Process filter leaf re-meshing Re-meshing of 1,300 mm process filter leaves with SS316L Dutch weave, mesh measurement and PMI testing.
2026	Specialty chemicals Singapore	New process filter leaves 58 new filter leaves 1,531 × 1,220 mm with SS316L drainage, support and Dutch-weave filter mesh.
2026	Edible oil refining Malaysia	Pressure leaf filter, supply and installation LEAKPROOF vertical pressure leaf filter, 15 leaves, 4,300 L A516 Gr 70 vessel, 6 bar / 150 °C design, hydrotested and installed on site.
2024	Refining Malaysia	16-inch cone strainers New 16-inch SS316L cone strainers with #10 mesh lining for a refinery.
2023	Petrochemical Malaysia	Duplex temporary cone strainers, 20" and 24" Duplex UNS S31803 temporary cone strainers 20" and 24" with #50 mesh for a petrochemical plant.
2022	Petrochemical Singapore	Temporary strainers for a plant conversion 80 stainless temporary strainers with 60/100 mesh, followed by 62 temporary cone strainers 3" to 10" for start-up.
2019	Petroleum terminal Malaysia	DN600 basket strainers for pump refurbishment SS304 basket strainers DN600 with DN400 / DN300 Class 150 connections and #150 mesh baskets for a petroleum storage terminal.

2017	Petrochemical Singapore	Basket strainer elements, 8 units 4" and 14" SS316 internal basket elements for a petrochemical complex project.
2016	Fertilizer Malaysia	Large basket strainer elements 24" and 10" SS304 basket elements with #40 mesh for a fertilizer plant.
2014	Refining Singapore	Bucket strainers for a refinery 12-inch SS304 bucket strainers with #40 mesh lining for a refinery in Singapore.

Wedge wire (4)

Year	Sector / country	Project & scope
2024	Refining & chemicals Malaysia	Coalescer support grid for a 3.6 m reactor Wedge wire support grid Ø3,550 mm, 0.25 mm slot, SS304, built in sections to pass through the reactor manway.
2023	Refining & chemicals Malaysia	Wedge wire tee screens Repair of one and supply of three 10-inch SS316L tee screen elements, 0.25 mm slot.
2020	Oleochemical Malaysia	Segmented wedge wire support grids Two SS316L support grids Ø1,174 mm, 0.15 mm slot, in three segments to pass a DN500 manhole, bolted together inside.
2020	Refining & chemicals Malaysia	Wedge wire tee screens 10-inch SS316L wedge wire tee screen elements for an integrated refinery and petrochemical complex.

Vessels, tanks & repairs (5)

Year	Sector / country	Project & scope
2026	Process plant Malaysia	Epoxy-lined separator tank Vertical carbon steel separator tank Ø660 × 1,460 mm with internal perforated plate and internal epoxy lining. Built for a plant contractor.
2026	Industrial plant Malaysia	Vessel stiffener-ring alteration Alteration and weld-repair procedure for three existing vessels prepared for DOSH (JKKP) approval, then repair by qualified welders.
2025	Steam & utilities Malaysia	Steam drum weld repair Weld-repair procedures for three steam drums, then site repair by DOSH (JKKP)-qualified welders with supervision.
2025	Manufacturing Singapore	SS316 vacuum trap tank SS316 vacuum trap tank Ø500 × 794 mm with dished end, bolted cover, tri-clamp ports and support legs, pickled and passivated.
2022	Process equipment Singapore	Vertical vessel with vane mist eliminator SS304 vertical vessel Ø600 × 1,900 mm with vane-type mist eliminator, support legs and lifting lugs.