

WE PROTECT YOUR PROCESS

1. Recovery boiler

Country	Thailand
Capacity	40 MW
Type	Recovery boiler
Area	Furnace floor
Problem	Abrasion
Product	HASLE D66
Lifetime	1 year



Installation

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2. Circulating Fluidized Bed Boiler (CFBC) Boiler (CFBC)

Country	Indonesia
Capacity	130 tons steam per hour
Type	CFBC
Fuel	Sludge
Area	Furnace (Kick out area)
Problem	Abrasion
Product	HASLE D59A
Lifetime	2 years



HASLE D59A installed in furnace

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4. Circulating Fluidized Bed Combustion Boilers (CFBC)

Country	Indonesia
Capacity	130 tons steam per hour
Type	CFBC
Fuel	Sludge
Area	Cyclone (cylindrical wall)
Product	HASLE Modular Lining (precast) and HASLE D59A
Lifetime	HASLE Precast 3,5 ++ years HASLE D59A 2 ++ years

HASLE Modular Lining and D59A



HASLE D59A installed in target zone of cylindrical wall for cyclone and HASLE precast installed in cyclone cylindrical wall



HASLE precast after 1,5 years HASLE brand mark still visible

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5. Bubbling Fluidize Bed Combustion Boilers (BFB)

Country	Thailand
Capacity	37 MW
Type	BFB Boiler
Area	Furnace wall
Product	HASLE D39A
Lifetime	5++ years (previous castable was only 2 years)



HASLE D39A

Installation



HASLE D39A after 5 years

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Carbon Burn Out (CBO) Boiler

Country	Mauritius
Start-up	2016
Type	Carbon Burn Out (CBO) Boiler
Fuel	Flay Ash and Coal
Area	Furnace, 188 m ² total
Product	HASLE Modular Lining (precast) and HASLE D66
Lifetime	3++ year

Installation



HASLE Modular Lining (HASLE Precast) 188 m2 and HASLE D66



Completed installation