

heat recovery boilers

heat recovery
steam generators
HRSG

waste heat boilers
WHB

OFFSHORE

grado di prefabbricazione

MACCHI può offrire le seguenti modalità di consegna

Stick built

arpe prefabbricate in officina da montare in sito

a Moduli

moduli prefabbricati in officina e con prova idraulica eseguita, costituiti da arpe e completi di cassone di contenimento

prefabrication degree

MACCHI can offer the following delivery solutions

Stick built

workshop prefabricated harps to be modularised at the job site

Modularised

modules, prefabricated and hydrotested in workshop, made by pressure parts section and casing internally insulated

heat recovery boilers for oil&gas & petrochemical sectors

MACCHI è leader a livello mondiale nella progettazione e costruzione di caldaie industriali e a recupero per il settore "Oil & Gas" e Petrochimico. Fondata nel 1959 ed entrata a far parte del Gruppo Sofinter nel 1987, MACCHI nel 2004 è stata incorporata in Sofinter spa quale divisione operativa.

la gamma di prodotti e attività MACCHI include
Caldaie industriali a tubi d'acqua con combustione a gas, a olio e a olio greggio

Caldaie a recupero

- HRSG per cicli cogenerativi con turbina a gas fino a 260 MWe
- WHB su processo industriale

Caldaie navali

Impianti chiavi in mano per piattaforme e navi FPSO (sistema integrato caldaia e turbina a vapore)

Bruciatori a basse emissioni di NOx (gas e olio)

Interventi di riabilitazione, conversione, retrofit su caldaie esistenti

MACCHI, operational division of Sofinter spa, is a leading company active on worldwide basis in the supply of industrial boilers and heat recovery boilers for Oil & Gas and Petrochemical sectors.

Founded as private company in 1959, MACCHI became part of industrial group Sofinter in 1987 and had been fully incorporated in Sofinter spa in 2004.

MACCHI range of products and services includes Industrial watertube boilers, gas, oil and crude oil fired

Heat recovery boilers

- HRSG (heat recovery steam generators) downstream Gas Turbine up to 260 MWe
- WHB (waste heat boilers) for industrial process heat recovery

Marine boilers

Turn key steam plants for platform and FPSO (boiler and steam turbine integrated plants)

Low NOx burners (gas and oil)

Rehabilitations, fuel conversions, retrofits of existing industrial boilers

behind GT up to 260 MWe

horizontal and vertical design · natural circulation and assisted circulation · multiple pressure levels · supplementary and fresh air firing mode with automatic changeover

caldaia a recupero per cicli cogenerativi con turbina a gas fino a 260 MWe
tipo orizzontale e verticale · circolazione naturale e assistita · più livelli di pressione
combustione supplementare e ausiliaria "fresh-air" con commutazione automatica



HRSG heat recovery

Steam generator

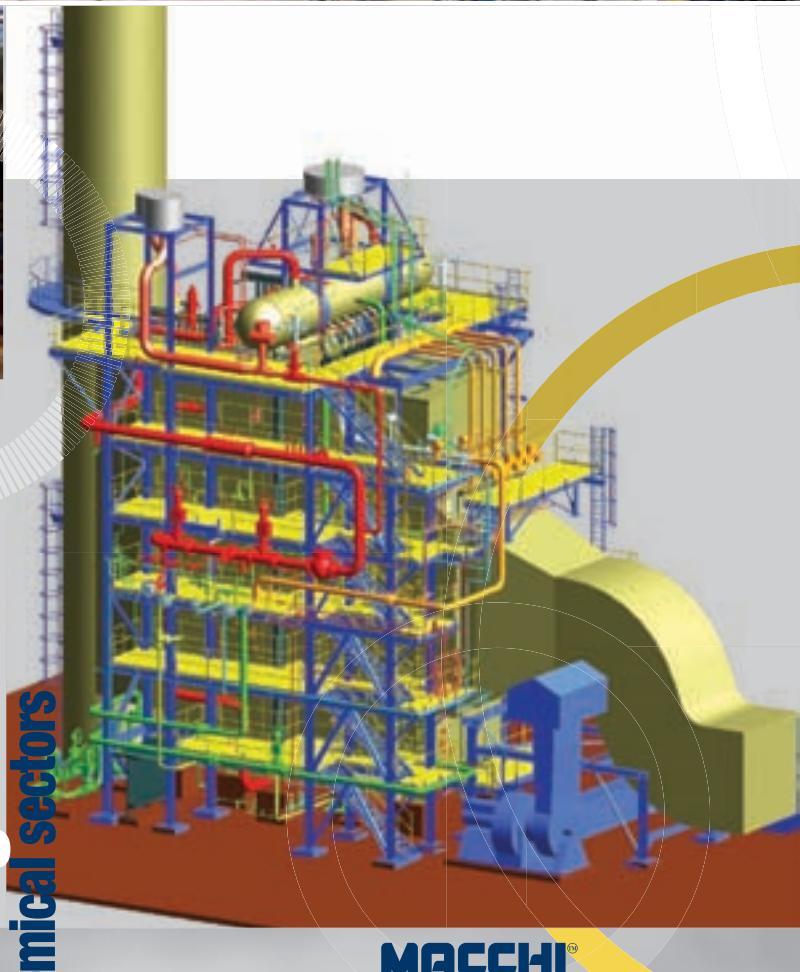
for oil&gas and petrochemical sectors

steam capacity up to
produzione vapore fino a 300 t/h

steam operating pressure up to
pressione vapore di esercizio fino a 140 barg

steam operating temperature up to
temperatura vapore di esercizio fino a 525°C

gas & oil fired
combustione a gas e olio



MACCHI
STEAM & POWER GENERATION

A DIVISION OF SOFINTER S.p.a.

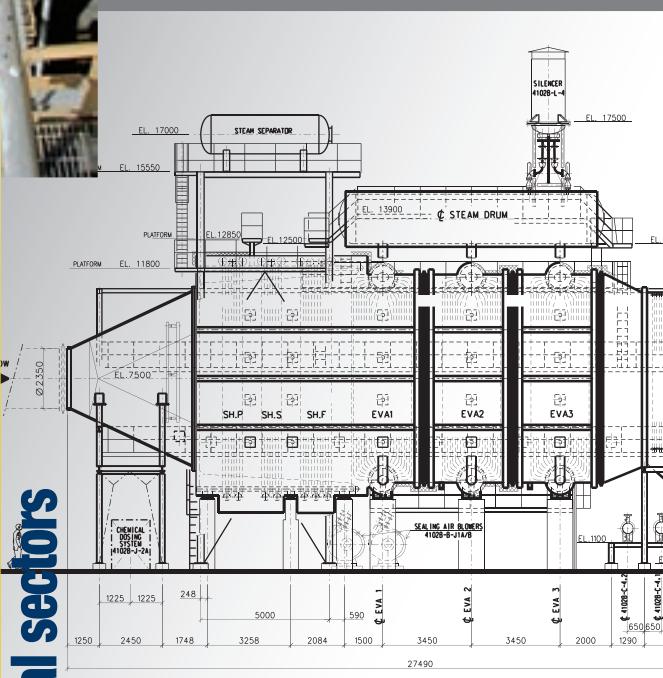
for industrial process heat recovery
horizontal and vertical design · natural circulation and assisted circulation

caldaia a recupero su processo industriale
tipo orizzontale e verticale · circolazione naturale e assistita



Waste heat boiler

steam operating pressure up to
pressione vapore di esercizio fino a 140 barg



for oil&gas and petrochemical sectors

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Turn key steam plants for platform and FPSO

Impianti chiavi in mano per piattaforme e navi FPSO



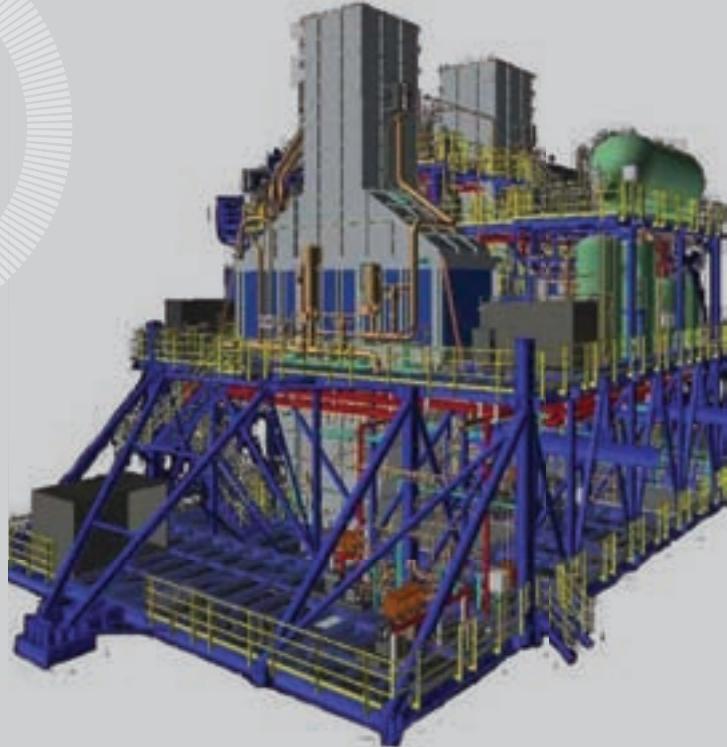
Moduli produzione vapore con caldaie a recupero e impianti ausiliari per piattaforme offshore
Heat recovery integrated modules for fixed offshore platforms

Moduli integrati "caldaia e turbina a vapore" per propulsione e processo su unità galleggianti, tipo FPSO e FLNG

Top side integrated steam plants "boiler & steam turbine" for FPSO vessels and FLNG
gas, oil & crude oil fired
combustione a gas, olio e olio greggio

OFFSHORE

for oil&gas and petrochemical sectors



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www.macchiboiler.it

OPERATION HEADQUARTERS

Largo Buffoni 3 - 21013 Gallarate (VA) Italy
Tel. No. +39 0331 738111 · Fax No. +39 0331 738377
macchi@macchiboiler.it

WORKSHOP

Via Canova 5C/5D · 21054 Fagnano Olona (Va) Italy
Tel. No. +39 0331 611616 · Fax No +39 0331 618994
production@macchiboiler.it

GULF REGIONAL OFFICE

Gulf Business Center "GBC" - Abu Dhabi
2nd floor, RBS Bank bldg., Hamdan/Salam St.
PO BOX 47359 · Abu Dhabi · U.A.E.
Tel. No. +971 2 6789901 · Fax No. +971 2 6790060
gulfoffice@macchiboiler.it

Gulf Business Center "GBC" - Dubai
Suite 1515, Crowne Plaza Commercial Tower
Sheikh Zayed Road
PO BOX 62425 · Dubai · U.A.E.
Tel. No. +971 4 3117126 · Fax No. +971 4 3328860
gulfoffice@macchiboiler.it