

Converter Off - Gas Systems



www.cvs.com.tr



CVS uses its technological manufacturing capabilities and experience, to produce and install off gas systems of integrated facilities all over the world. Their high internal pressures, high gas temperatures, corrosive gases, complex piping geometries, requirement of special

processes make off gas systems so difficult that only a few companies can produce.



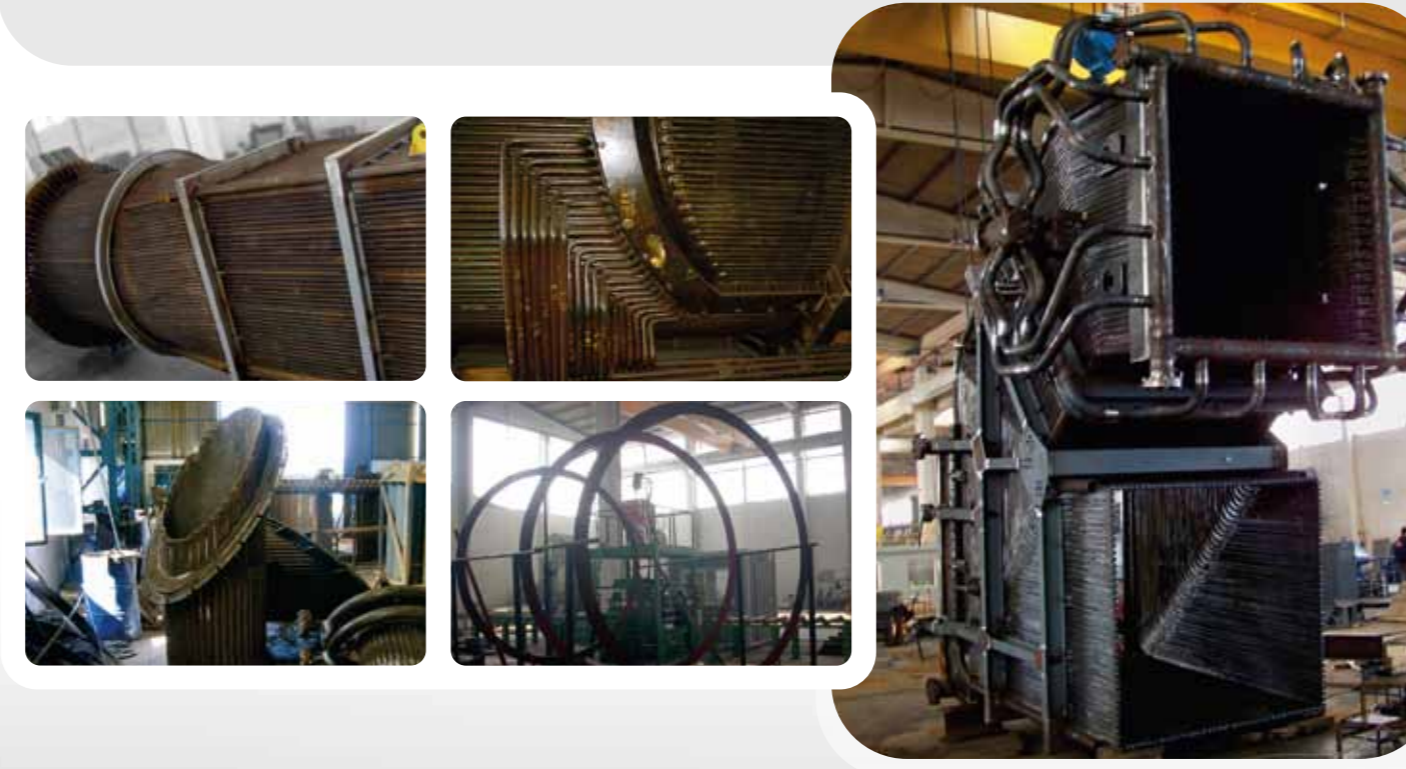


COMPANY PROFILE

CVS provides plants & equipments for minimills (Meltshops & Rolling Mills), as well as "turn-key" solutions in this regard. CVS covers the complete design and manufacturing activities for green-field projects as well as revamping/upgrading of existing plants and equipments. CVS manufactures spare parts & components for Meltshops & Rolling Mills & Off-Gas Systems. CVS provides technical assistance and consulting service to steel production. CVS headquarter is located in the most sophisticated industrial region of Turkey; Gebze (50 km to Istanbul city center) close to many major ports. Our modern facilities consist of three integrated major-sized workshops equipped with post-modern machinery parks and three engineering buildings summing up approx. 100,000 sqm. CVS workforce is formed by over than 750 specialized staff with a modern machinery park to undertake even the most challenging projects. More than 270 engineers and administrative employees are involved in the design and management of the projects.

OFF-GAS SYSTEMS

Off-gas systems differ from ordinary water cooled ducts in the way that they produce steam with high pressures up to 60 bars and high temperatures up to 200°C. Steam generation requires accurate flow control and well balanced piping geometry. Special precautions like cladding, special material selection etc. have to be taken to prevent corrosive effects of off-gases.



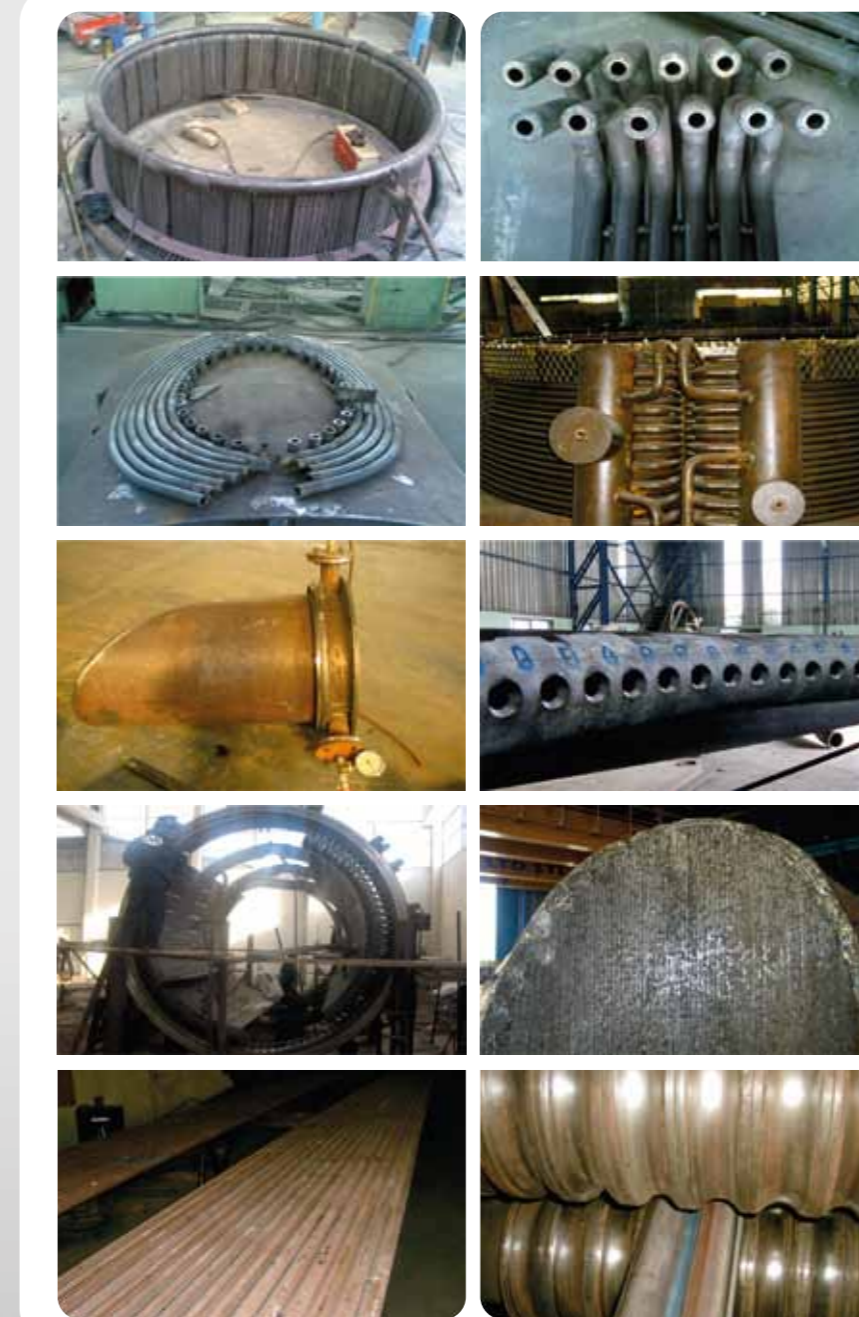
MANUFACTURING

CVS machinery park is equipped with technological machines.

- Machining
- Cutting
- Bending
- Welding
- Cladding
- Protective Coating
- Painting

And inspection techniques:

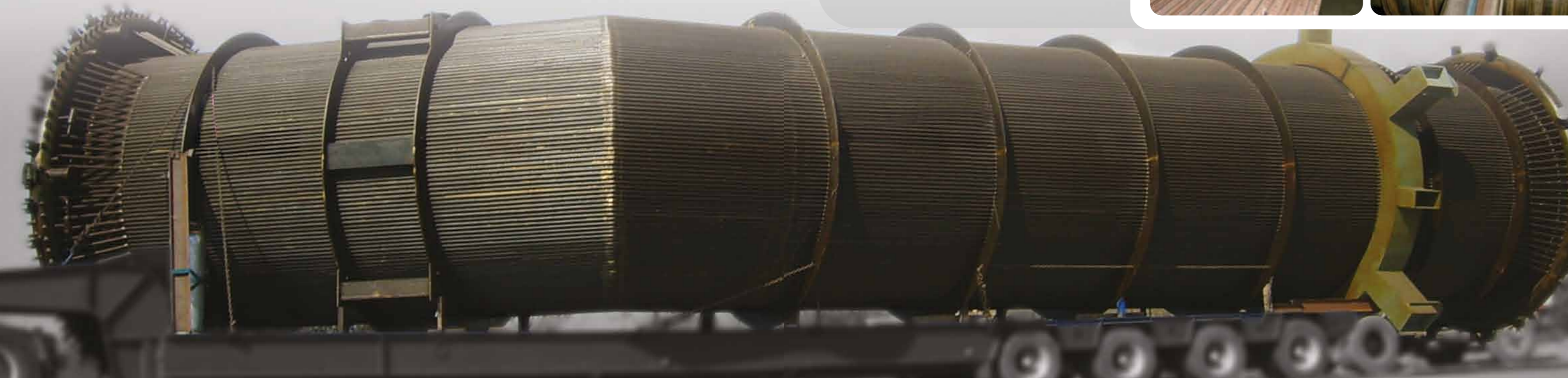
- Radiography
- Ultrasonography
- Magnetic Particle Test
- DYE Penetrant Test
- Hydrostatic Test
- Visual Test
- Flashing



APPLICATIONS

The waste heat from any kind of off-gas is utilized by the steam, generated in the stacks. CVS produces main parts of especially steel producing facilities like BOF, AOD, such as:

- Stationary Hoods
- Mobile Hoods
- Skirts
- Transfer Car Mechanisms
- Cooling Stack



SOME OF OUR REFERENCES

ISDEMİR

Skirt & Moveable Hood & Fixed Hood
Iskenderun/Turkey

THYSSEN-KRUPP AST

Water Cooled Hood for AOD
Terni/Italy

ARCELOR MITTAL ANNABA

SMS 1 - Movable Hood & Fixed Hood
Annaba/Algeria

ARCELOR MITTAL ANNABA

SMS 2 - Skirt & Movable Hood & Fixed Hood
Annaba/Algeria

SALZGITTER FLACHSTAHL

Off-Gas Stack Cover
Dusseldorf/Germany



CVS TURKEY

CVS EUROPE
Italy - Udine

CVS MIDDLE EAST
Egypt - Cairo

CVS CIS
Ukraine - Donetsk

CVS POLAND
Warsaw

CVS IRAN
Tahran

CVS INDIA
Pune

CVS S.KOREA
Seoul

CVS SINGAPORE
Singapore

CVS INDONESIA
Jakarta

CVS USA
New York

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