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SISEM

is founded in 1996 as  
a company operating in  
the making of machinery  
for forging ovens and  
iron alloys.

A company in continuous  
growth that combines  
technological  
know-how, with design  
and production.

# FERROALLOY

# FURNACE

SISEM is an international leader in design, construction, assembly, and startup of plants, machines and components of ovens for the production of iron alloys, cast iron and non-ferrous metals.







## DESIGN

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SISEM, in function of the client's needs, with its engineering capabilities, is able to design and make ovens for the production of iron alloys up to a power of 24 MVA.



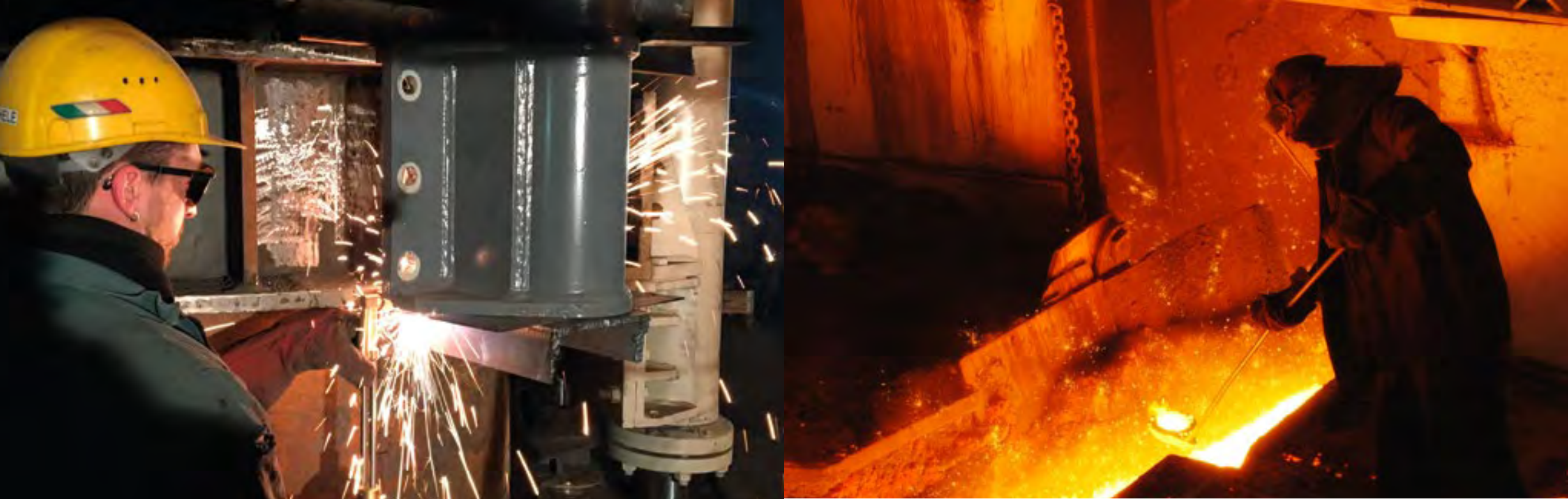
## CONSTRUCTION

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With 20 years of experience SISEM is able to produce and finalize all components and accessories for a plant within its headquarters in Niardo (BS).

In full respect of international regulations, all our products are subject to very strict checks through all phases of production.

Specialist personnel follow the different phases of production, guaranteeing a high quality final product.



## ASSEMBLY

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SISEM offers a structure of professional technicians for the assembly of machinery in Italy and abroad.

We offer assembly in tight collaboration with the client, in order to make the following steps of maintenance more simple.

## STARTUP

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SISEM, to complete its full 'keys in hand' service can offer assistance in the startup of the plant and is able to form personnel within the client company, guaranteeing the continued availability to check the installed constructive systems.





# SPECIAL

# WELDING PROJECT

SISEM is specialized in any form of welding for iron or non-ferrous, such as copper, brass, special alloys, inox, cast iron, aluminum.

SISEM's services are mainly aimed at companies that operate within the steel working and mechanical carpentry sectors.





## INDUCTION MACHINERY

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Induction machinery is an innovative system frequently applied in the steel working sector, capable of generating a great amount of heat, guaranteeing advantages in time and costs.

SISEM produces components and full works that need particular care in assembly and welding.



## SECONDARY CIRCUITS IN COPPER

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SISEM makes secondary circuits in copper, cooled or non, for steel works of any power, complete of all components (flexible wires, flexible strips, etc.) according to the clients need.





## COOLING CIRCUITS

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SISEM offers a complete service for the design of cooling circuits in Cu, Fe and Cu-Fe and all their components (crate burners, oxygen lance, cooling block, etc.)



## SPECIAL CARRYOVERS

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SISEM, for almost 15 years has been present in the metalworking sector, as a leader in special carryovers on flat clubs, hammers, finishing channels and plugs.

Experience and care in all phases of production guarantees a long lasting and precise final product.





## MIG/MAG WELDING

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MIG/MAG welding is an arc welding process where the metal is under protection of a continuous line of gas. This typology of welding is able to guarantee a high level of productivity whilst containing costs.

## TIG WELDING

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TIG (Tungsten inert gas) welding or GTAW (Gas Tungsten Arc welding), is a process of arc welding with an infusible electrode (of tungsten), under protection of an inert gas, that can be completed with or without metal contribution. This typology of welding guarantees high precision and quality.



# BRAZE WELDING

Brazing is a very ancient procedure used to unite metal parts, even of different nature with high quality in mechanical and hydraulic resistance.

Brazed materials are generally made of alloys of silver, copper, brass and nickel.

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