



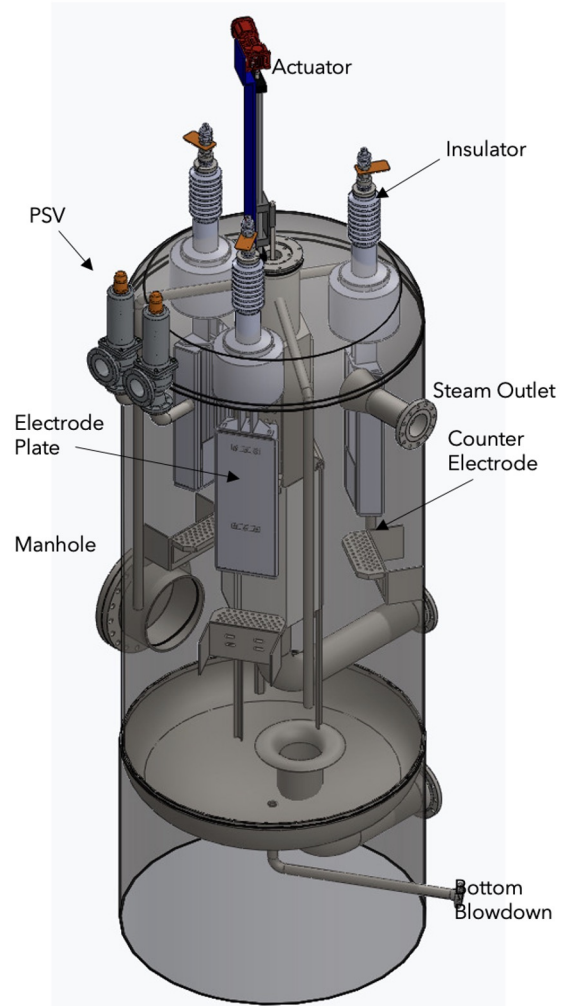
Reinventing Energy

Jet Type Steam Boilers



Jet Type Steam Boiler for steam production

- Operational load range 0–100 %
- Capacity range 2–65 MW
- Pressure range 6–40 barg
- Medium voltage 6 –25 kV





Immersed-type Electrode Boilers



for hot water or
steam production

Immersed-type Electrode Boiler

- Operational load range 10–100 %
- Capacity range 3–65 MW
- Pressure range 6 –40 barg
- Medium voltage 4.16–25 kV

**Also horizontal design
up to 10 MW**

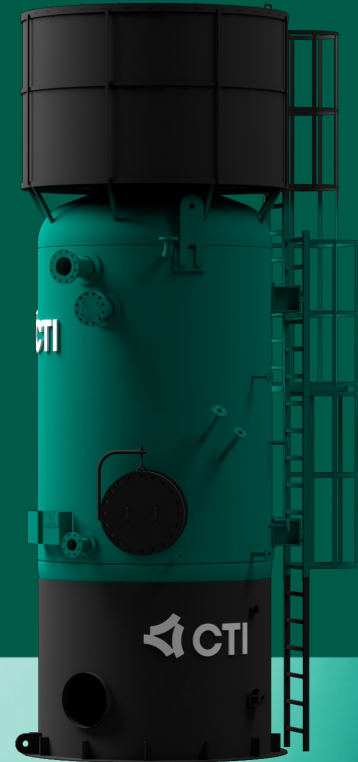


Benefits of electrode boilers

Quick run-up

60–90 seconds start-up

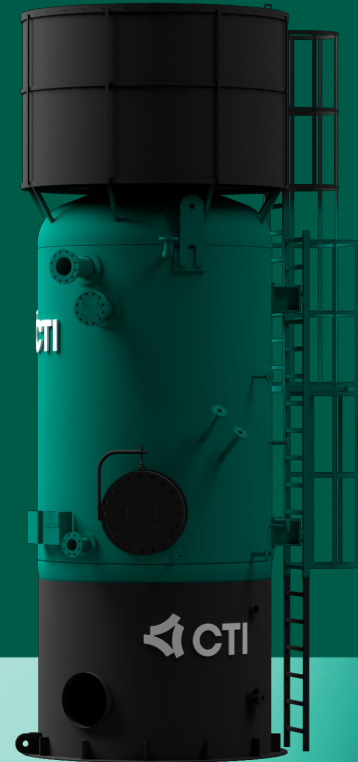
35–45 minutes cold start-up



Benefits of electrode boilers

Operational safety

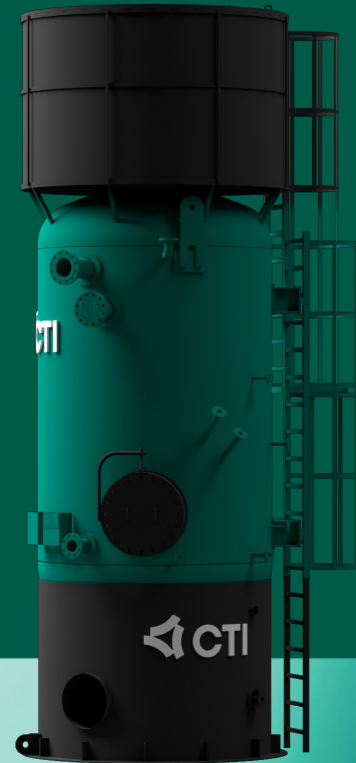
- No low water danger
- No problems with heat build-up or electrode burnout
- Thermal shock eliminated



Benefits of electrode boilers

Easy to maintain

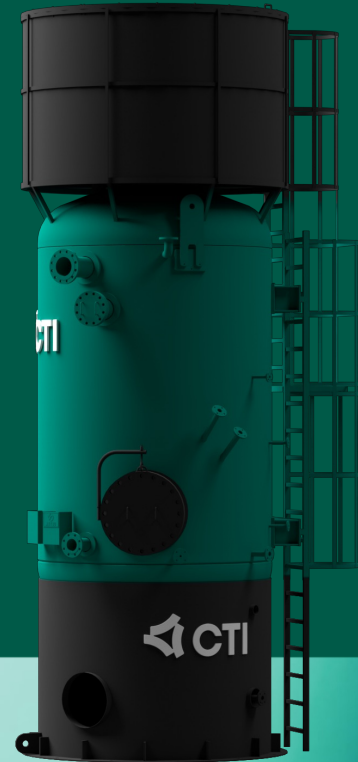
- Streamlined structure:
minimum number of components
and electrical controls
- No inner vessel



Benefits of electrode boilers

Electrical shock eliminated

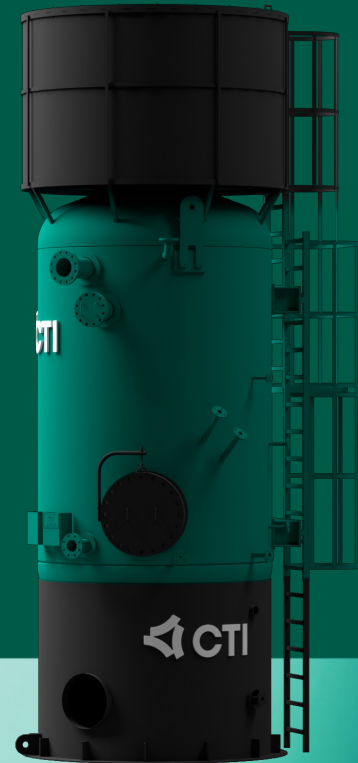
- Electrode star point earthed with N-wire



Benefits of electrode boilers

Minimal water chemistry

- Only water softeners needed for make-up water production
- No need for low conductivity



Why CTI for electrode boiler projects?

Why CTI?

Vertical and horizontal models

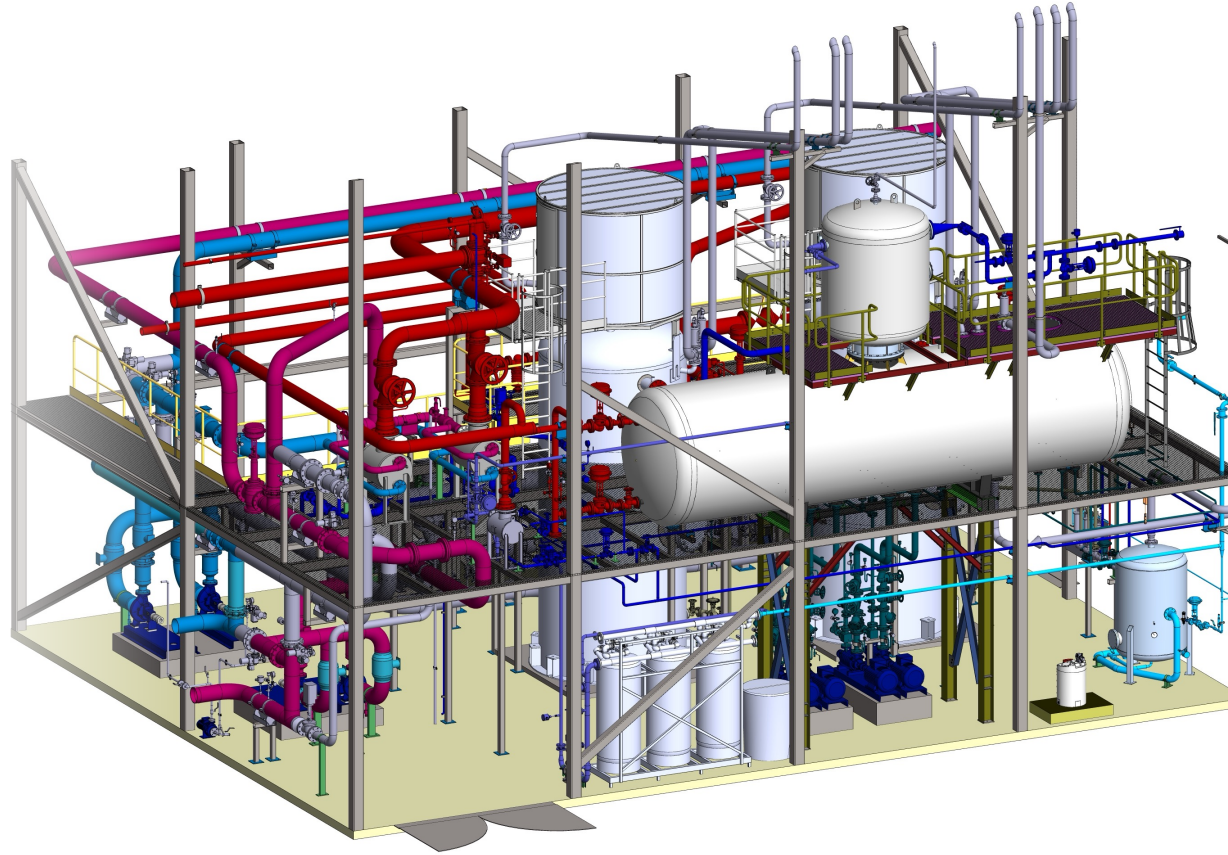


Flexible configurations

- to fit your space
- process requirements
- existing infrastructure

Why CTI?

**Turnkey
delivery
from design
to lifecycle
support**



Why CTI?

Comprehensive plant equipment



Why CTI?

Specialized personnel

- Automation & low voltage assemblies
- Piping pre-assembly
- All equipment assemblies
- Commissioning & start-up
- Annual maintenance service
- Remote monitoring
- Spare parts



Why CTI?

Modular construction, faster delivery

Off-site manufacturing & modular solutions

- Reduced installation time
- Reduced site work
- Reduced project costs



Contact us for information

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