Latest case study from CRYSOUDN! Acoustic imager to detect vacuum degree of electric generators.

Recently, a local thermal power plant invited our technician team to test the vacuum degree of their electric generators.

Why is it important?

The degree of vacuum in the thermal power generation system will affect the efficiency of electric generation. If the degree of vacuum is not enough, the efficiency of steam-driven generators will decrease. The improvement of the degree of vacuum in the system will directly affect the benefits of enterprises.

What are the results?

Our acoustic imager helped the customer find multiple vacuum negative pressure leaks, a total of 11, among which there were five serious defects(See Below):

- Level 4:Serious defects requiring instant action. (1)

- Level 3:Serious defects but the equipment can function safely in a short period but still require acting quickly. (4)

- Level 2:Minor defects that won’t affect safe operation but require quarterly and annual overhauls. (1)

- Level 1: Minor defects that won’t affect safe operation but require continuous observation. (5)

Timely discovery and repair of these leaks can effectively guarantee safe production and save tens of thousands of production cost.