

## LABORATORY/SCIENCE CHALLENGE:

Environmental remediation of flue-gases and wastewater

## TECHNOLOGY SOLUTION:

## **FLUE-GAS REMEDIATION**

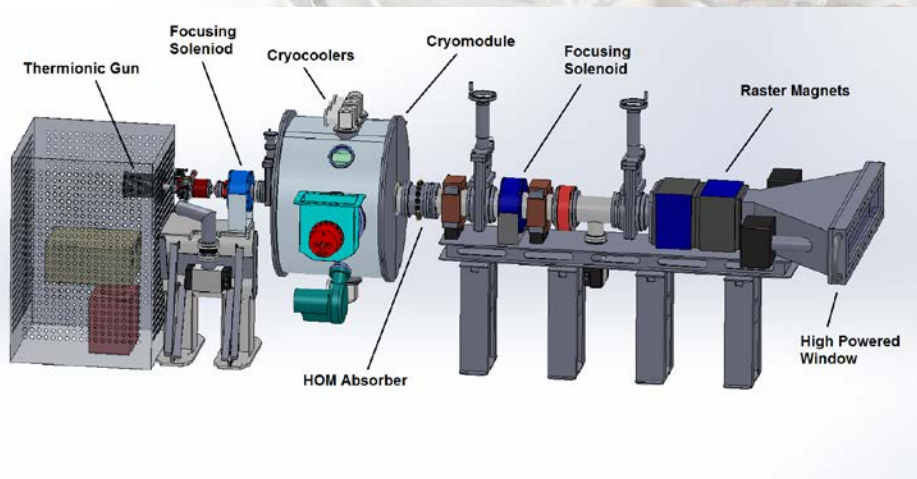
Electron-beam irradiation with a high-power, low-energy compact superconducting radio-frequency (SRF) accelerator

## PATENTS:

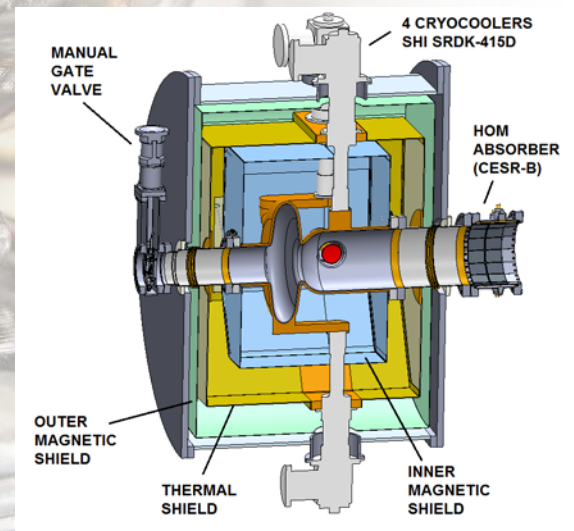
“High-Current Conduction Cooled Superconducting radio-frequency cryomodule”, application No. 15882211, filed on 01-29-2018

## APPLICATION:

Electron irradiation of flue-gases and/or wastewater could be achieved efficiently and cost-effectively with a compact 1 MW, 1 MeV SRF accelerator, designed at Jefferson Lab



*1 MeV, 1 MW accelerator*



*SRF cryomodule*

## INDUSTRY PARTNER:

General Atomics and Advanced Energy Systems