The Cyclic Corrosion chamber has the capability of applying a corrosive spray, mist, or fog to a material with adjustable mixtures. This chamber can simulate and accelerate natural corrosive agent’s effects on materials. Corrosion testing is vital for components that will be subjected to harsh abrasive/salty environments. The key advantage of the chamber is accelerating the corrosive effects on a material to shorten test time. Flow rate of the corrosive agent can be adjusted to meet specific test standards or RFAL has the capability of implementing a custom test. Upon the completion of a test RFAL has the microscopic capability to examine the effects that the corrosion test had on the object.