

## **GIATEC iCOR™ CASE STUDIES**

### **CONNECTION-LESS CORROSION MEASUREMENT DEVICE**

#### **OVERVIEW**

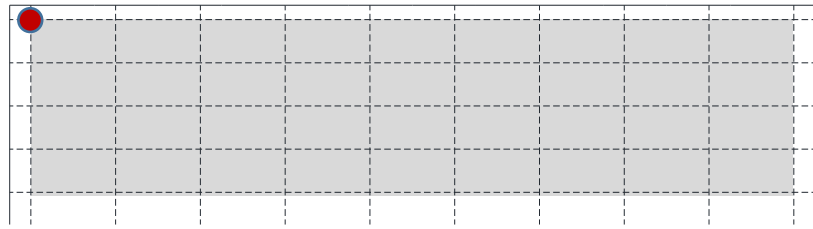
Giatic iCOR™ is a novel compact and comprehensive NDT tool for detailed corrosion evaluation of reinforced concrete structures WITHOUT the need to have an electrical connection to the rebar. It is equipped with high precision sensors to measure the (1) corrosion rate of rebar, (2) the in- situ electrical resistivity of concrete, (3) corrosion potential of rebar as well as (4) ambient temperature and relative humidity. iCOR™ utilizes wireless technology to transmit data to a tablet, where data can be stored, analyzed and visualized. iCOR™ has been successfully utilized by consulting firms for smart early detection of corrosion problem in reinforced concrete structures. Here are some example projects that iCOR™ have been used for condition assessment.

# ABUTMENT CONCRETE WALL

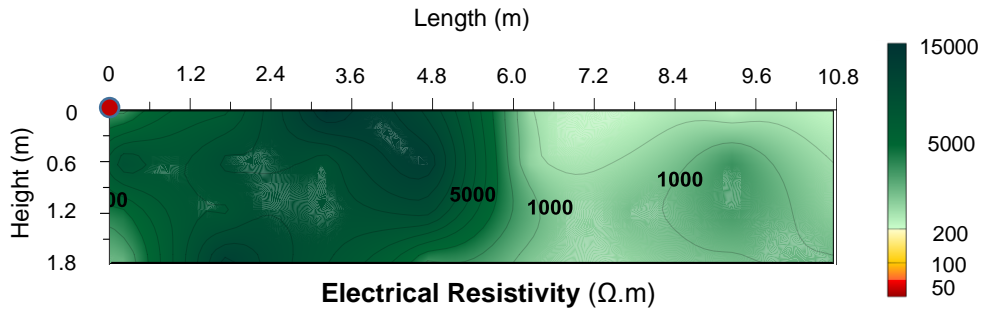
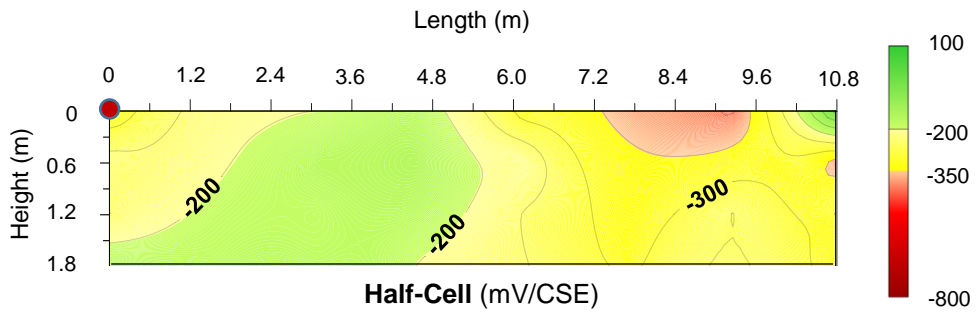
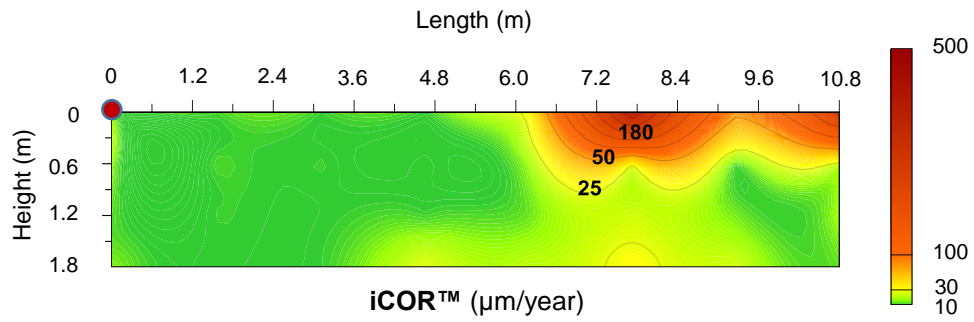
PHOTOS:



# RESULTS



**Abutment Wall**

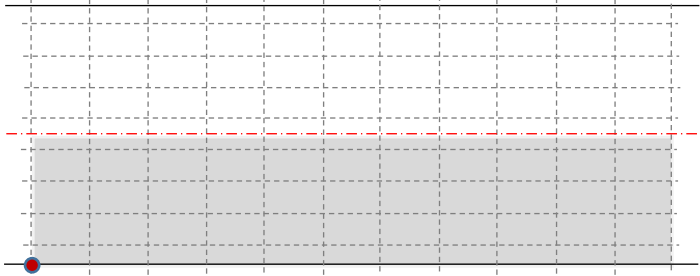


# CONCRETE BRIDGE DECK

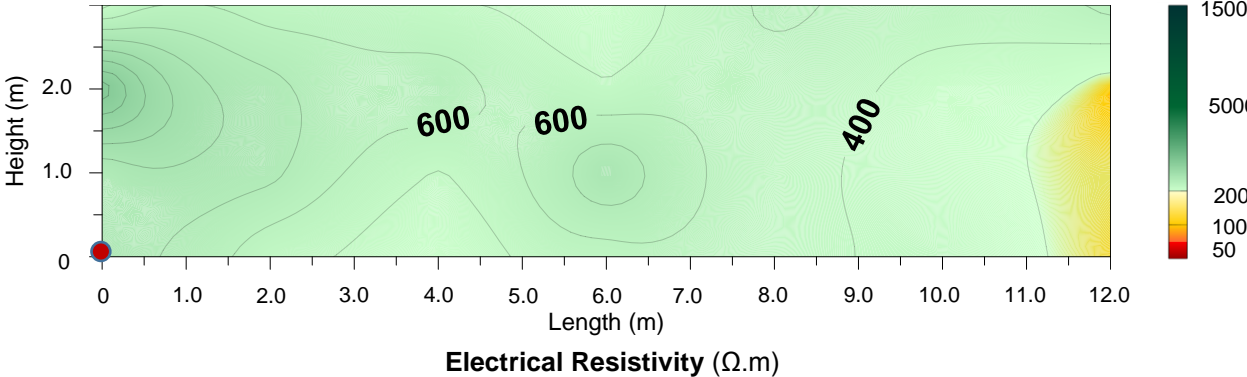
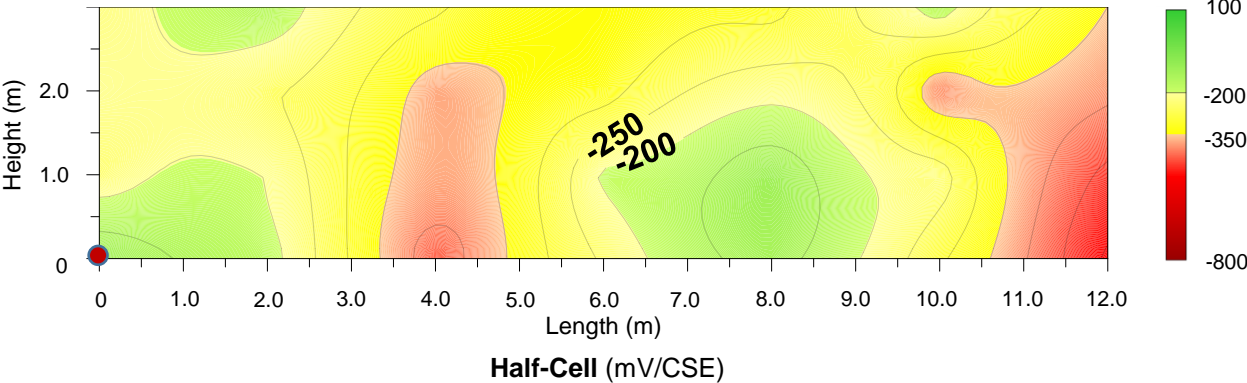
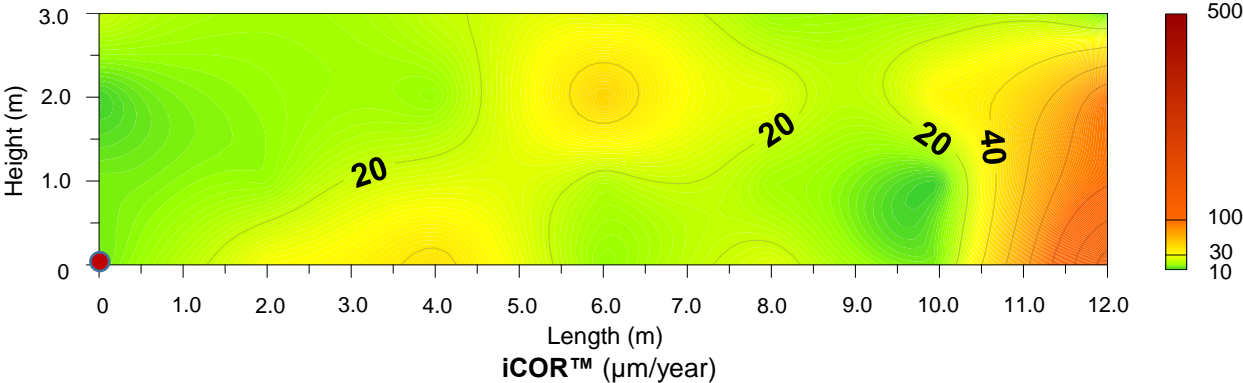
## PHOTOS



# RESULTS



**Bridge Deck**



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