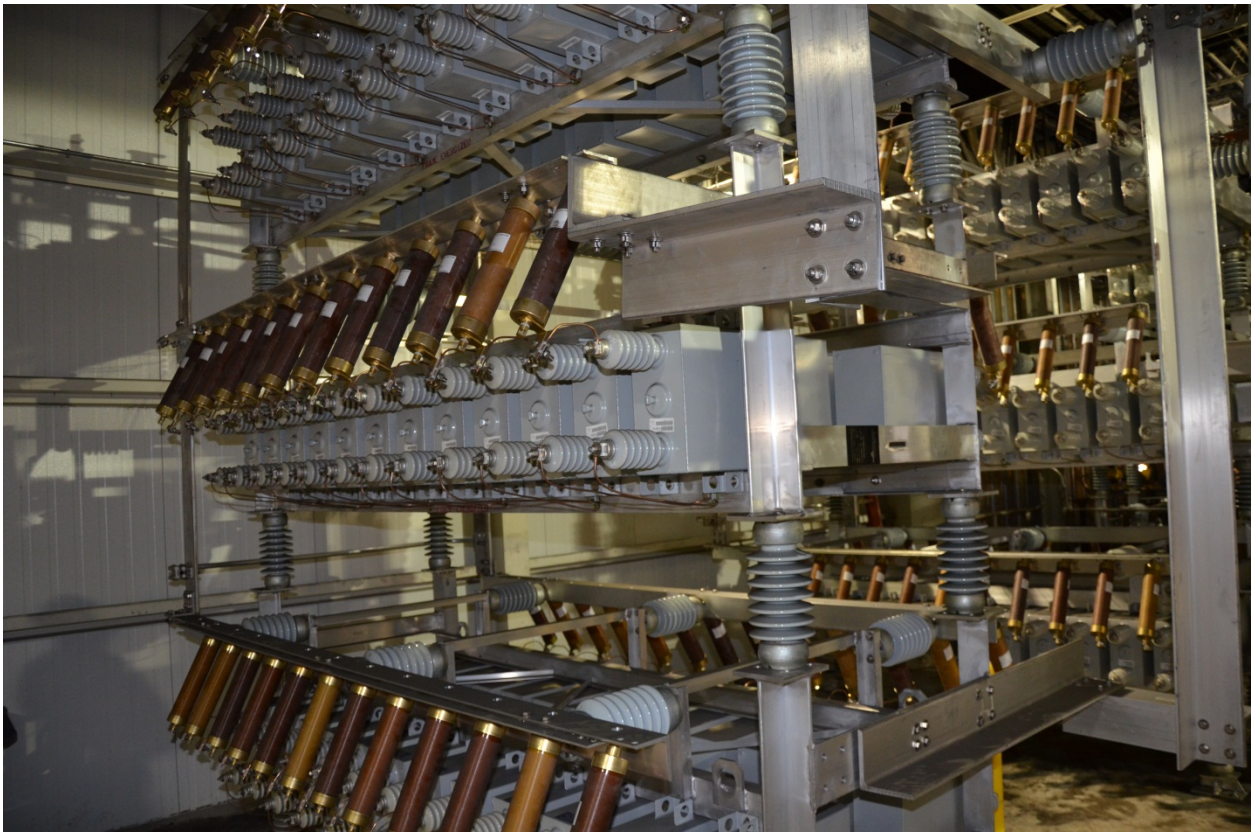
Anderson Engineering™
of New Prague Inc.

Defense Case Study

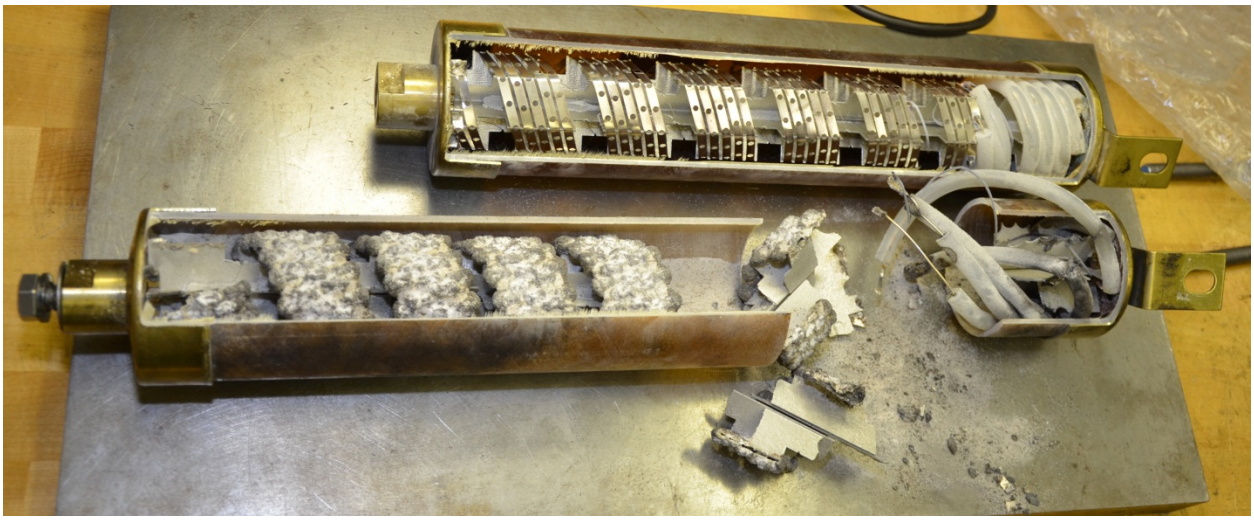
Anderson Engineering has helped defend many national and international manufacturers. During the testing of a very large transformer a failure occurred on a capacitor bank. There were found multiple failed capacitors of the many hundreds that make up the capacitor banks.

The individual capacitors were catalogued and tested for their characteristics. The failed capacitors were disassembled and the points of failure were well documented. It was found that the capacitors were damaged during the testing of the transformer.

The damage was identified as being caused by high voltage. The high voltage damage was caused by the testing. The capacitors were found to have failed due to the undo stress supplied by those performing the testing.



Rack with Multiple Capacitors.



Comparison of Fuses Attached to Capacitors.

The fuse that operated during the event, was opened and examined. The fuse was shown to have operated as predicted.

The examination of the internal components of the fuse indicate that the fuse links were separated in the proper fashion and that the fuse performed its function well. In part, given the findings by Anderson Engineering, the parties involved in the incident were able to come to an agreement as to what happened and how best to prevent future incidents.