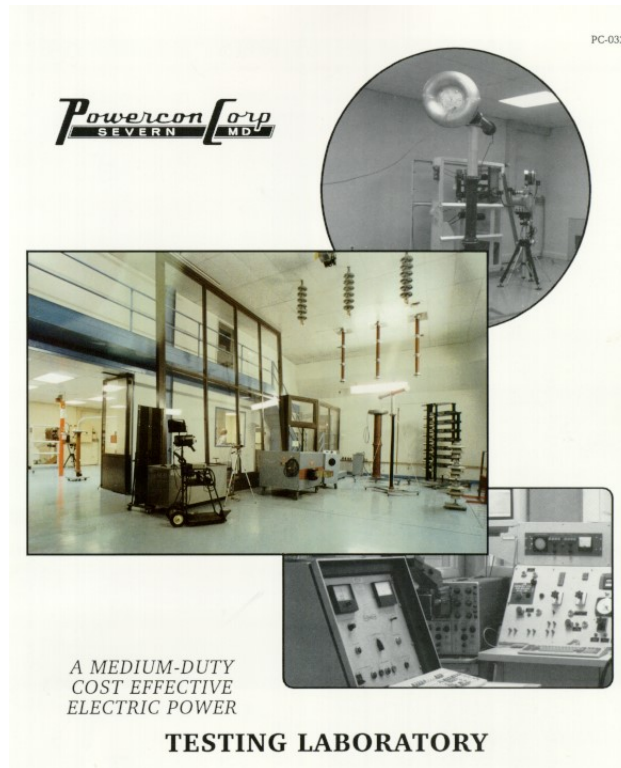


# POWERCON CORPORATION



## POWERCON TESTING LABORATORY

### BROCHURE #PC-032

**ELECTRONIC VERSION CREATED: 7/21/96**

**Powercon Corporation**  
**P.O. Box 477**  
**1551 Florida Avenue**  
**Severn, Maryland 21144**  
**Baltimore: 410-551-6500**  
**Washington: 301-621-7400**  
**Fax: 410-551-8451**  
**<http://www.powerconcorp.com>**  
**email: [info@powerconcorp.com](mailto:info@powerconcorp.com)**

# MEDIUM-DUTY, COST EFFECTIVE ELECTRIC POWER TESTING LABORATORY

The test capabilities as listed on insert can determine:

1. Conformance to ANSI and IEEE standards.
2. Verification that new or existing electric power equipment meets purchasers required specifications.
3. Performance OF electrical or mechanical products for R&D investigations.

The cost effective performance is not burdened by high overhead and large power demand charges. Arrangements for testing are flexible.

The broad range of quality testing is kept in strict confidence with only the purchaser having access to the test results.

## HIGH POTENTIAL TESTING



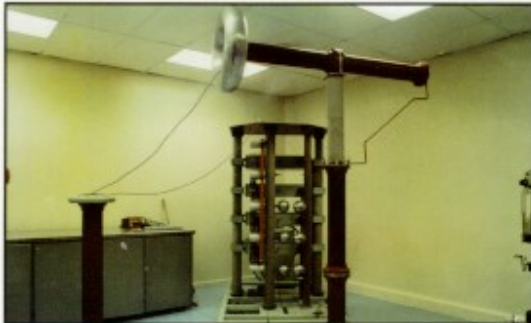
Above is shown the 70kV Hi-Pot/Partial Discharge - Corona Test Equipment

## IMPULSE TESTING



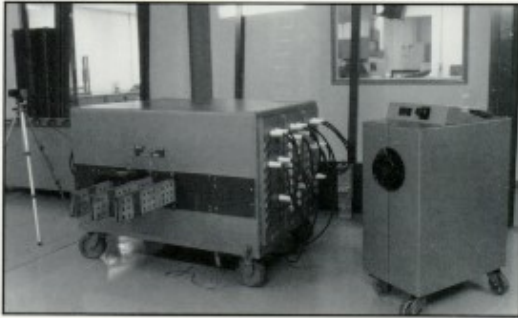
400kV impulse Test on Standoff Insulator and Insulated Bus using 700kV Generator.

Below is a 400KV Generator. When both are connected in series, they can deliver 1,100 kV.



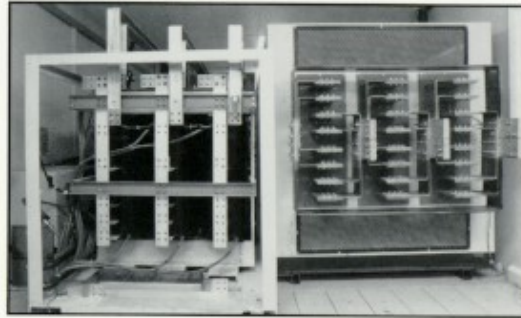
100mS/Sec. Dual Channel Digital Storage Oscilloscope and Impulse Generator Controller

## CURRENT TESTING

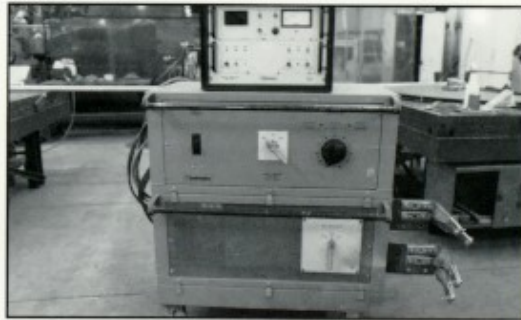


**HIGH CURRENT POWER TRANSFORMERS**  
Variable voltage taps capable of delivering up to 100,000A within selective impedances.

**CONTINUOUS CURRENT**  
Continuous current tests of up to 20,000A, 3-phase, with current equalizer. Temperature/Current records of up to 120 points can be recorded simultaneously at prescribed intervals on programmable data collection system.



100 Channel Programmable Data Logger



High Current Breaker Test Set

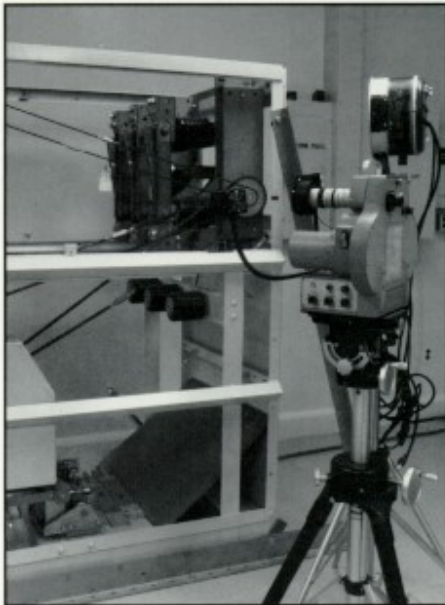
**Powercon Corp**  
SEVERN MD

A MEDIUM DUTY, COST EFFECTIVE LABORATORY ESTABLISHED TO MEET THE NEEDS OF THOSE INTERESTED IN ELECTRICAL TESTS OF A SOPHISTICATED NATURE.

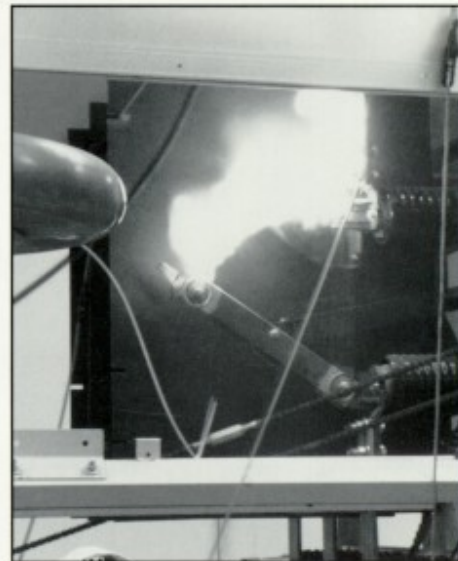
**CONTROL ROOM AND HIGH-SPEED FILMING**



**CONTROL ROOM**  
with observation window of test floor



**Mechanical Operation effects being recorded on  
High Speed Camera**



**Magnetizing Currents of 22A at 17kV**

P. O. BOX 477  
1551 FLORIDA AVENUE  
SEVERN, MARYLAND 21144

Baltimore: 410-551-6500  
Washington: 301-621-7400  
TOLL FREE: 1-800-638-5055  
FAX: 410-551-8451