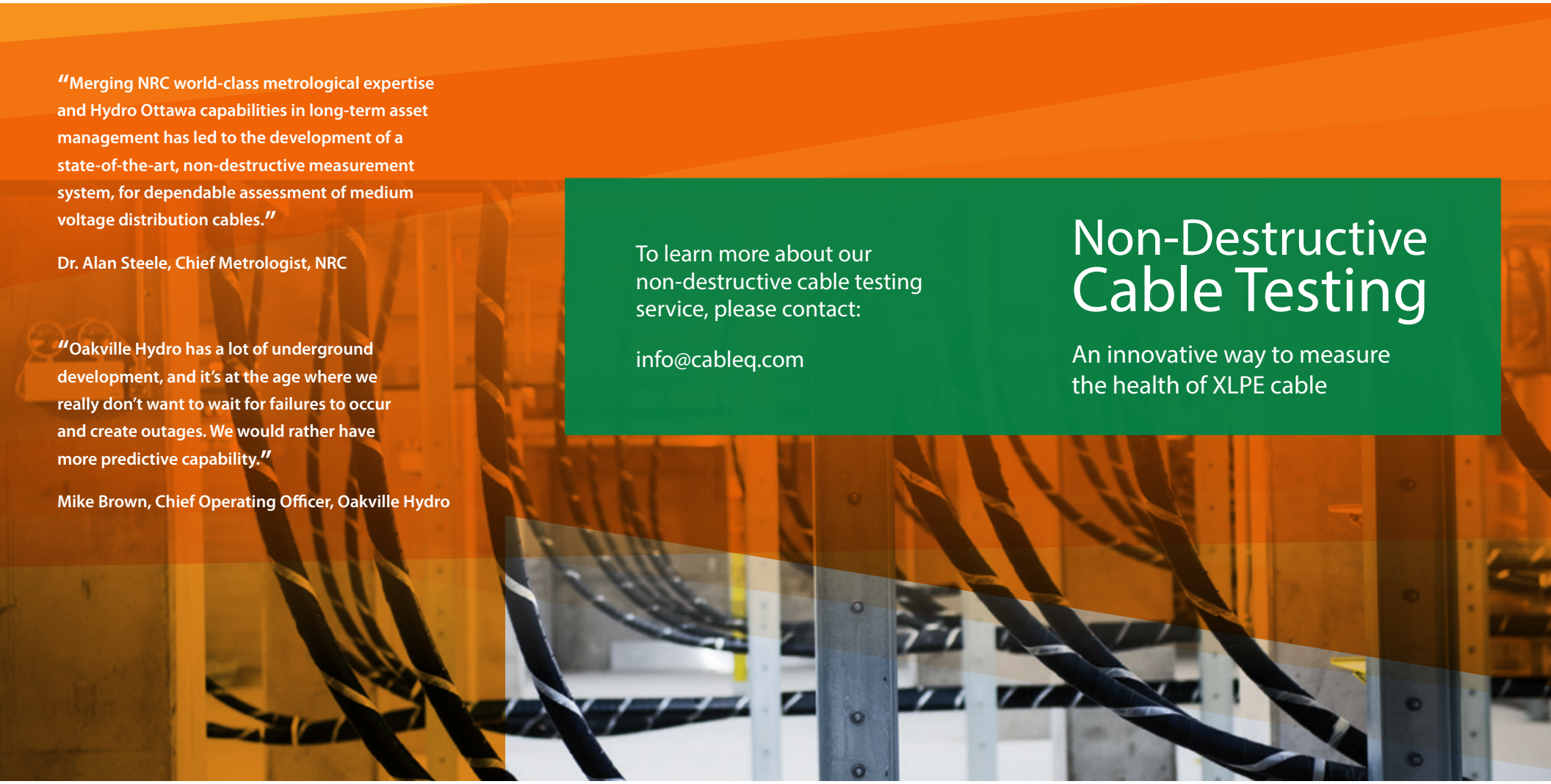

"Merging NRC world-class metrological expertise and Hydro Ottawa capabilities in long-term asset management has led to the development of a state-of-the-art, non-destructive measurement system, for dependable assessment of medium voltage distribution cables."

Dr. Alan Steele, Chief Metrologist, NRC

"Oakville Hydro has a lot of underground development, and it's at the age where we really don't want to wait for failures to occur and create outages. We would rather have more predictive capability."

Mike Brown, Chief Operating Officer, Oakville Hydro

To learn more about our non-destructive cable testing service, please contact:

info@cableq.com

Non-Destructive Cable Testing

An innovative way to measure the health of XLPE cable

CABLEQ
NON-DESTRUCTIVE TESTING

A Better Way to Test

Over time, cable deterioration can cause system failure.

CableQ proudly offers a non-destructive method for determining the health of XLPE MV cable. While traditional testing methods further stress cables, this innovative condition testing quickly determines cable health while preserving its integrity.

The result of a 5-year collaboration between Hydro Ottawa and National Research Council (NRC), the Government of Canada's premier research and technology organization, the technology is available for lease. Distributor opportunities are also still available.

How It Works

The non-destructive cable technology uses an on-site diagnostic technique based on measurement of depolarization current. Using a noiseless, high voltage solid-state switch, the results are compared to a reference standard.

Test results clearly indicate cable health condition as Good, Fair, or Poor with a finite health index from 0-100% to allow for easy prioritization. The method was designed for cross-linked polyethylene (XLPE) extruded cable and works on most sizes of medium voltage (MV) cables.

Canada
NRC·CNRC

Test monitor

Van console

Key Features

Our cable testing proprietary technology:

- Is user-friendly and works on XLPE MV cables
- Categorizes cable health index from 0-100%
- Uses compact, easy to use and maintain equipment
- CableQ provides training in setup, use, and interpretation of results
- Quick on site diagnostic test determines cable condition in 60 seconds

Key Benefits

Non-destructive cable testing:

- Traceable measurement to an accuracy of +/- 1%
- Quickly and easily measure cable health index
- Preserves cable integrity during testing
- Extends cable lifespan by an average of 5-10 years
- Delivers significant value through deferred replacement costs
- Dependability of infrastructure
- Truly non-destructive test – maximum 3 kV DC applied for 5 seconds