



# Protection RETROFITTING

In order to improve the performance of your protection systems and benefit from the most recent technological advances, **ICE** has developed the new **NP800R** range of digital protection relays to seamlessly replace the **CEE** 7000 range of analogue relays.

## Customised economic solution for protection refurbishment

Cost savings, safety and security of operation

- ✓ Reduced down time
- ✓ Electrical compatibility
- ✓ Physical compatibility
- ✓ Switchboard wiring modifications minimised
- ✓ Compatibility with existing CBCTs
- ✓ Progressive retrofitting adapted to all budgets



FROM  
ANALOGUE  
TO  
DIGITAL



Minimises retrofitting man-hours

Maximises preservation of existing installation

Simplifies and reduces re-commissioning time

Minimises retrofitting costs

ICE Group



TECHNIREL

## Competitive range of reliable protection

Technology

- ✓ The latest in digital protection for electrical substations
- ✓ An evolving range of new products

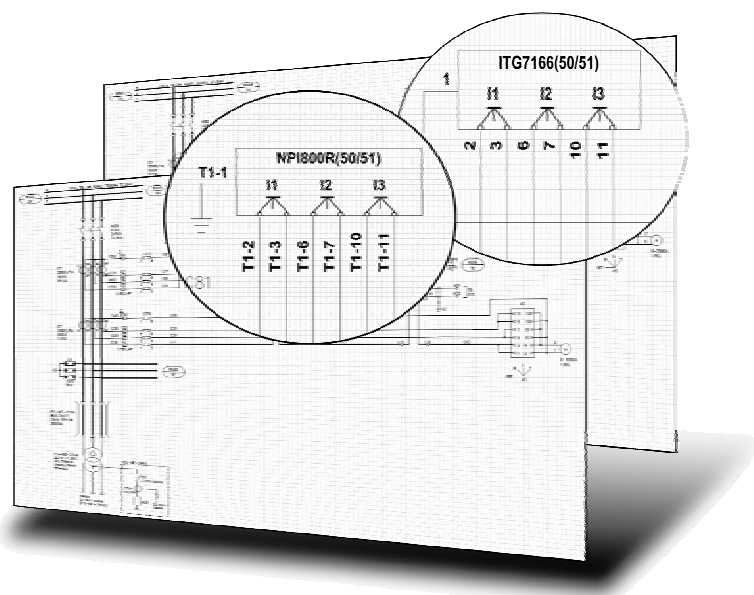
Environmentally friendly products

- ✓ ICE is ISO 14001 certified and all solutions are part of a sustainable development approach



## Intuitive wiring diagram updates

Existing terminal wiring connections are compatible enabling substation diagrams to be easily changed through simple designation changes.



In order to simplify maintenance of documentation, the relay wiring diagrams can be supplied as "dwg" files.

## Easy installation

The NP800R cases are physically identical to those of the CEE 7000 series therefore avoiding cut-out and mounting modifications.



Compatibility with existing wiring. Additional connections are only required for additional information (Watchdog or extension I/Os).

## From old settings to new settings

Supplied with the new relays, the setting software includes a feature to convert the existing settings to the setting table required for the new relays.

## Fast and easy commissioning

The setting software also includes commissioning tools to assist with re-commissioning and ensure safety.

