



ACT NOW

- **By taking part** in our workshops
- **By contributing to** the functioning of the structure
 - **By sharing** data with the Observatory
 - **By attending** the next restitution of data



To contact us: contact@onse.fr



ONSE - December 2016

FRENCH NATIONAL OBSERVATORY OF ELECTRICAL SAFETY



► For 20 years, Promotelec Association and Consuel gathered committed actors to share data in order to analyze and improve the electrical safety

Nowadays, many electrical damages are still due to electrical source



DWELLING FIRES/YEAR



200,000 dwelling fires
responsible for

300 fatalities and **15,600** injuries
among them



82,000
fires with
brigade interventions



50,000
fires due to electrical source:

- **61%** related to electrical equipment
- **36%** related to fix or mobile installations
- **3%** related to installations in common parts or to energy distribution

ELECTRICAL ACCIDENTS/YEAR



3,000 people
electrification casualties
40 people
electrocution casualties

ELECTRICAL DAMAGES/YEAR



400,000
Due to:

- lightning, overvoltage, overload,
- heating,
- failure of a component,
- electric default

ECONOMICAL CONSEQUENCES/YEAR

For dwelling fires,
estimated to **4,2 billion €**
of which **1 billion €** for fires
due to electrical source

For electrical
damages and accidents
estimated close to
1,6 billion €

KEY DATA

METROPOLITAN FRANCE IN 2015

35 million dwellings among
which
29 million over 15 years

DWELLINGS with electrical installations over 15 years

2/3 of the electrical
installations do not comply
with at least 1 of 6 mandatory
safety points*

- **80%** with a defective earth connection
- **60%** with a bad equipotential connection and a safety zone of the bathroom not respected
- **60%** present risks of direct contacts with live elements
- **50%** own obsolete devices

COMMON PARTS: electrical installations

- **75%** present hazards of direct contacts with live elements
- **50%** present hazards of indirect contacts with live elements



In 41 years,
the number of electrocutions/year
was divided by 5,
going from 200 to 40



Thanks to the evolution of the regulations:

- Decrees on the protection of the workers in 1962
- The NF C 15-100 standard and the earth connection in 1969
- The electrical switchboard in 1980
- The 30mA earth leakage device in 1991
- The mandatory electrical diagnosis (DEO) for over 15 years dwelling sale in 2009
- The DEO for dwelling rental from 2017



Direct correlation
between regulation and
decrease of the accidents