



**Fisuel Seminar – 15-16 of October 2025**

**Dakar – Senegal**

**Patrick Aubelis – ONSE 2025 France**

# What is ONSE

Electrical Safety National Observatory  
Observatoire National de la Sécurité Electrique

Think-Tank of experts from

Consuel - Promotelec – Insurances

Fire men - Laboratories – Experts

Manufacturers – Consumers – Health organisations

2025 Barometer

# Electrical installations situation

- In dwellings
- 400,000 mandatory electrical diagnostics (DEO) analyzed on electrical installations over 15 years old (before 2009).
- Based on 11 Anomalies :
  - Faulty grounding and grounding installation
  - Obsolete or unsuitable electrical equipment
  - Risks of direct contact with live elements
  - Anomaly on overcurrent protection devices
  - Additional equipotential bonding in the bathroom is defective
  - etc

# Electrical installations situation

Results are all down from previous years' results

Observation : situation unsafe

- 82,6% of DEO, have at least one electrical anomaly
  - 79% for apartments
  - 87,5% for individual houses
  - 88% before 1980, year of the accommodation was built
  - 35% between 2000 and 2009
- 64% for Faulty grounding and grounding installation
- 46% for Obsolete or unsuitable electrical equipment
- 41% for Risks of direct contact with live elements

# Decease by electrocution

- 34 Accidental deaths by electrocution in France in 2022
- all locations, excluding suicides and homicides
- ICD 10 codes: W85, W86, and W87
- 9 on 10, are men
- 1 decease for 0-14 years old - 4 dec for 15-24 years old

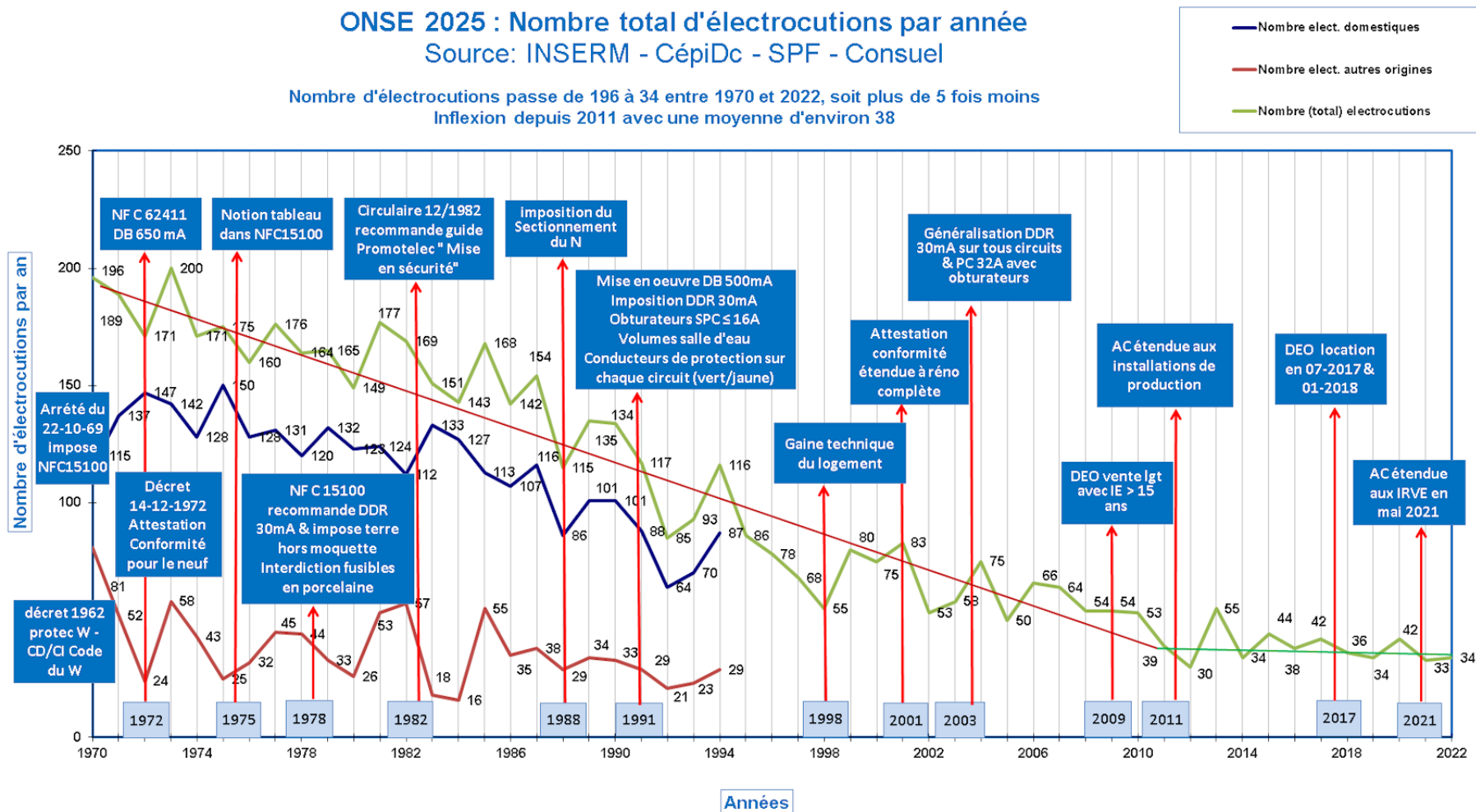
Number of electrocutions in France from 1970 to 2022 has fallen from **200** in 1970 to **34** in 2022

thanks to standardization, regulation, awareness, communication, new electrical protection functions, etc.

## ONSE 2025 : Nombre total d'électrocutions par année

Source: INSERM - CépiDc - SPF - Consuel

Nombre d'électrocutions passe de 196 à 34 entre 1970 et 2022, soit plus de 5 fois moins  
Inflexion depuis 2011 avec une moyenne d'environ 38



# Dwelling fires

- 64,850 firefighter interventions for dwelling fires in 2022
- Between 20 and 35% of dwelling fires are from electrical source.
- By January 1, 2024
- For housing stock of 37,200,000 dwellings
- And a population of 68,500,000

## Statistics & WESB idea

- Idea : combine statistics and WESB by country.
- This will allow to conduct analyses and draw conclusions.
- For example, for France and Japan (year to be specified).
  
- Number of deceases by electrocution: W85 to 87 :

|                |                |
|----------------|----------------|
| <b>Jp : 10</b> | <b>Fr : 34</b> |
|----------------|----------------|
- Population: 

|                       |                         |
|-----------------------|-------------------------|
| <b>Jp : 124 milli</b> | <b>Fr : 65 millions</b> |
|-----------------------|-------------------------|
- Number dwelling fires : 

|                   |                   |
|-------------------|-------------------|
| <b>Jp : 11000</b> | <b>Fr : 65000</b> |
|-------------------|-------------------|
- Stock of dwellings : 

|                         |                         |
|-------------------------|-------------------------|
| <b>Jp : 65 millions</b> | <b>Fr : 37 millions</b> |
|-------------------------|-------------------------|
  
- WESB : 

|                 |                 |
|-----------------|-----------------|
| <b>Jp : 93%</b> | <b>Fr : 84%</b> |
|-----------------|-----------------|
  
- Next step Roma Italy 10-2026

**Example**

# Closing Seminar

## MERCI - THANKS

