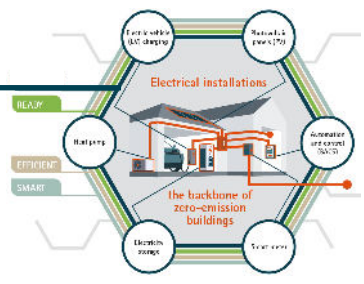
Electrical safety: time for action

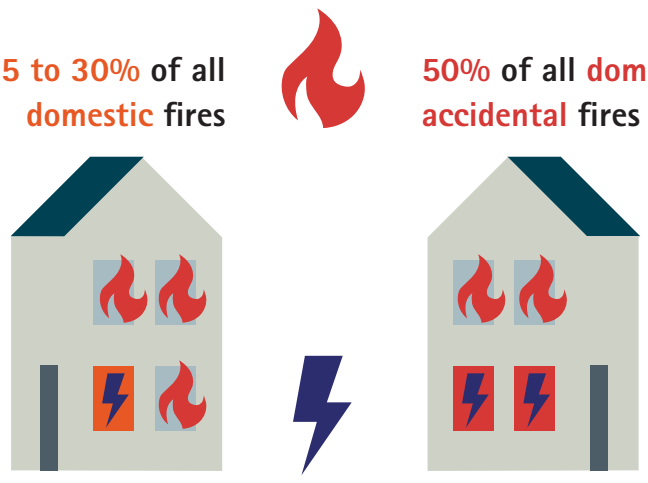


EU data:

Domestic fires of electrical source = 273,000/year

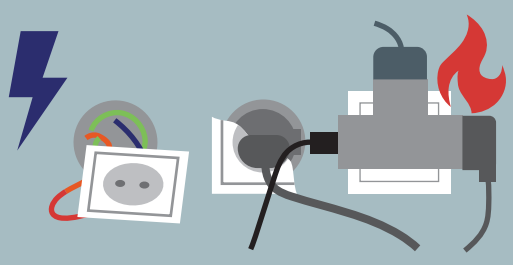
25 to 30% of all **domestic** fires

50% of all **domestic accidental** fires



have an electrical source

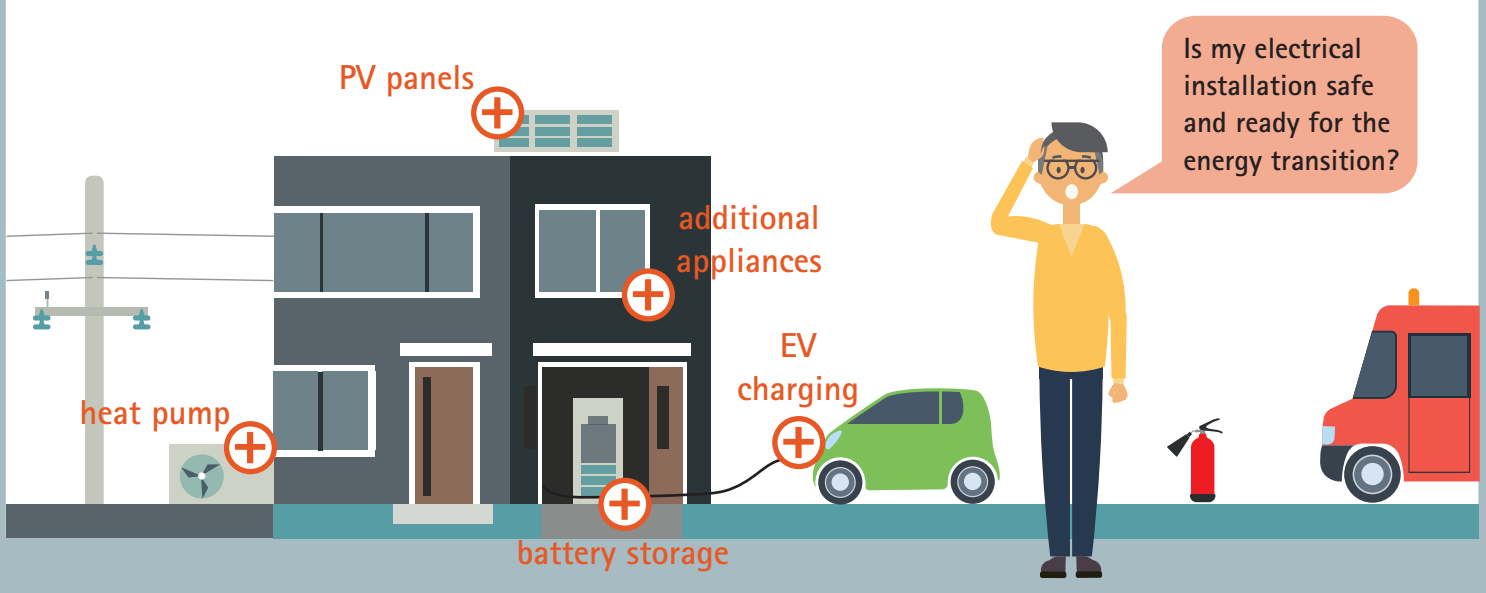
130 millions of obsolete electrical installations (half of the EU building stock)



- aging of components
- lack of maintenance
- evolution of uses
- low renovation rate

Sources: Forum for European Electrical Domestic Safety - FEEDS - https://www.feedsnet.org/

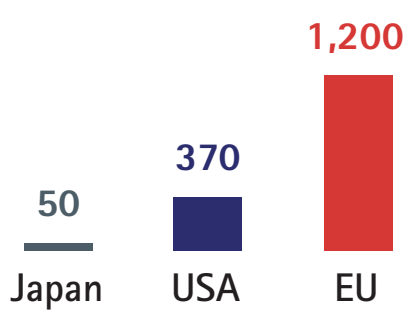
Electrical installations are the backbone of zero-emission buildings



Safe and decent housing is a must of the energy transition

World data:

Number of domestic electrical fires per 1,000,000 dwellings



- Japan: mandatory inspections of electrical installations every 4 years
- USA: inspection every 10 years (differs among states) + awareness campaign

The European Parliament

(resolution of 15 December 2021 on the implementation of the EPBD):

- "... calls on Member States to develop an electrical inspection regime..."
- "... believes that the European building stock renovation should integrate electrical safety checks and upgrades..."

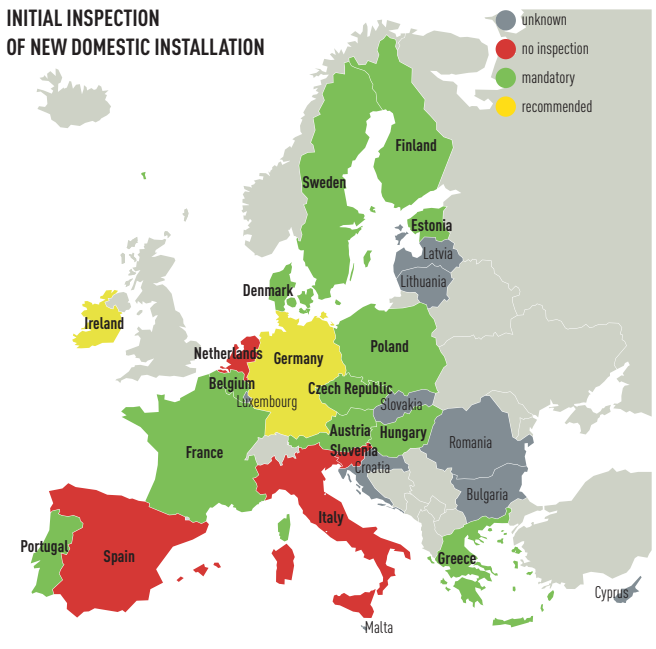
Source: https://www.europarl.europa.eu/doceo/document/TA-9-2021-0503_EN.pdf

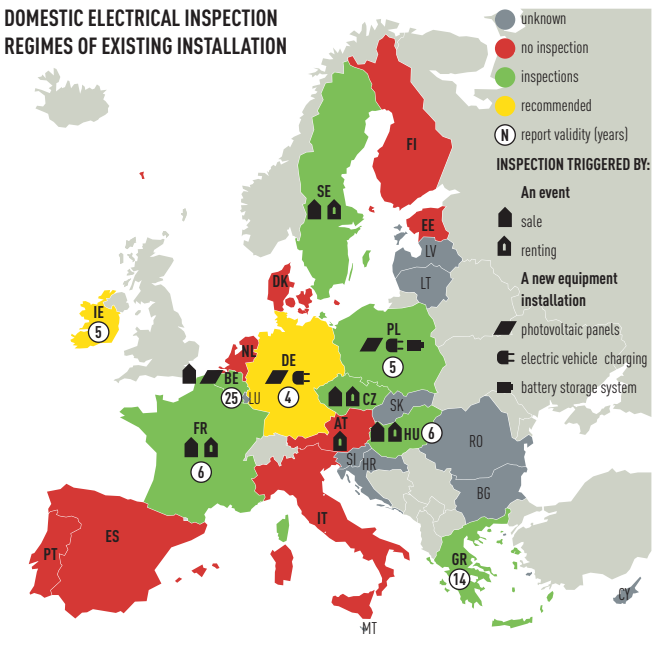
FEEDS
Forum for European Electrical Domestic Safety

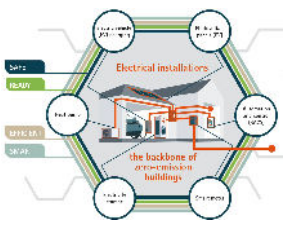
DEPLOY NATIONAL INSPECTIONS REGIMES ACCORDING TO NATIONAL WIRING RULES

EU: inspections regimes vary strongly among Member States

EU deployment of inspection regimes is limited and mainly voluntary







Further information:

RESIDENTIAL ELECTRICAL SAFETY - HOW TO ENSURE PROGRESS, White Paper, FEEDS, February 2020

ACCIDENTAL ELECTRICAL DOMESTIC FIRES, White Paper, FEEDS, April 2021

Electrical installations are the backbone of zero-emission buildings

The EPBD must make them safe, ready, efficient and smart - Infographic, ECI, December 2020

Cu European Copper Institute
Copper Alliance

Copper is a key element for decarbonisation of the building stock due to its inherent properties, particularly its excellent **electrical** and thermal **conductivity**, making it the material of choice for low carbon, efficient and smart building technologies.