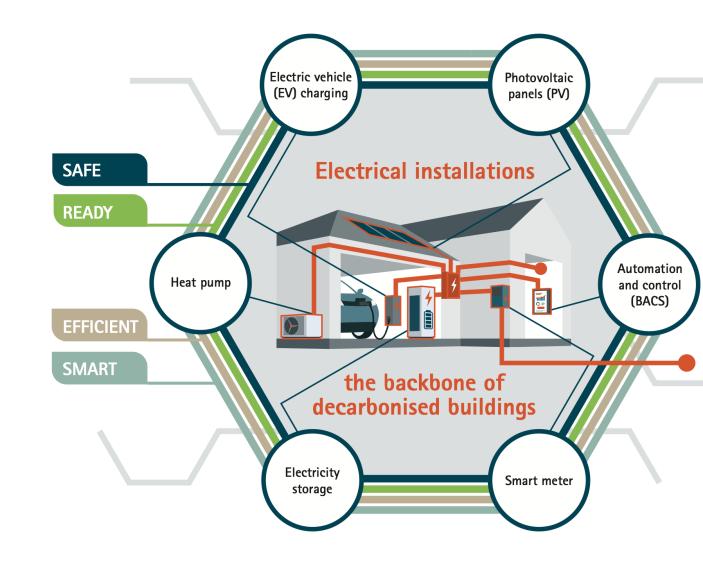




EUFSW23 - Electrical Contractors

- EuropeOn represents electrical contractors and installers
 - Shifting towards electrical integrators
- Increasing trend towards integration of clean energy (= electric) technologies in buildings/homes
 - Solar PV (+ battery storage)
 - EV Charging
 - Heat Pumps
- Electrical installation often not designed to handle that much demand
 - 132 million buildings in the EU have obsolete electrical installations





EUFSW23 – Workforce & Skills

The (dual) issue

- 1. We need more manpower
 - Shortage of workers
 - Germany: 80k vacancies
 - France: 20k vacancies
 - Lack of attractiveness of technical education and careers
 - Lack of visibility
- 2. With full and modern skillsets
 - More installations to cover
 - Continuously evolving technology
 - Lack of incentives to up-skill







EUFSW23 - Workforce & Skills

The solutions

- 1. The priority should be to increase the workforce
 - A. Increase 'pipeline' of workers
 - Increase overall attractiveness
 - → Change mindsets
 - Value technical education
 - → Electrical safety starts with apprenticeships
 - Address gender equality
 - B. Attract workers from other sectors
 - Facilitate re-skilling
 - Make career changes easy
- 2. Increase the level of skill of the existing workforce
 - Facilitate up-skilling



Techniek Nederland: #jekuntzoveelmeerindetechniek

EUFSW23 - Workforce & Skills

The way forward

- 1. Increasing the workforce
 - Assess the number of workers needed
 - Decisively promote technical education/careers
 - Adequately fund VET schools and apprenticeships
 - Harness Public Employment Services
- 2. Having the right skillset
 - Strive for fully qualified workers
 - Beware of short trainings
 - Make upskilling easy and attractive
- 3. Integrate energy with workforce & skills policies
 - Provide predictability with clear targets and plan ahead accordingly
- 4. Recognise the benefits: more jobs, more safety, more efficiency!



ELECTRIFYING EUROPE

HOW ELECTRIFICATION IS SWITCHING ON JOBS AND SKILLS

VALUES

- O ENTREPRENEURSHIP
- CREATING NEW BUSINESS MARKETS
- **O INTEGRATING TECHNOLOGIES TOGETH**
- EAST CROWING INDUSTRY
- NON-RELOCATABLE JOBS
- O LOCAL JOBS
- O PURPOSEFUL MISSIONS

I ELECTRICAL CONTRACTORS



270,000

idditional jobs in

400,000

additional jobs in the deployment of rooftop solar PV, battery storage and electric vehicle charging points by 2030²

ELECTRIC VEHICLE PROFESSIONALS



580,000 new jobs in the EU

+34%

of jobs in growing adjacent markets such as energy production and charging infrastructure⁴

GRID EXPANSIONISTS



500,000 ew jobs by 2030⁵

HEAT PUMP TECHNICIANS



161.000

people working in the European

NEED FOR

full-time equivalent

SOLAR SPECIALISTS

1 MILLION

additional direct and indirect jobs in the EU solar industry?



4 MILLION
people could be employed in solar sector jobs in Europe⁸

WIND WORKERS

Currently, wind employs 300,000 people in the EU

*

450,000 people could be

people could be employed in the EU wind industry?

DIGITAL WIZARD

Digital skills are transversal skills that are needed everywhere

- https://europe-on.org/wp-content/uploads/2021/07/EuropeOn_Job-Potential-Study-2021_Public.pdf https://europe-on.org/wp-content/uploads/2021/07/EuropeOn_Job-Potential-Study-2021_Public.pdf
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EUFSW23 - Policy Recommendation(s)

→ Always consider workforce & skills availability in energy/climate policy

→ 1st step: gap assessment

EPBD

 National Building Renovation Plans: <u>assess the gap</u> between available & needed workforce (with KPIs)

NZIA

Net-Zero Platform to assist Commission in "assessing, continuously monitoring and forecasting the demand and supply of a workforce with the skill sets needed in net-zero technologies availability and uptake of corresponding education and training opportunities"

EED

 Member States to <u>assess the gap</u> between available and in demand professionals





