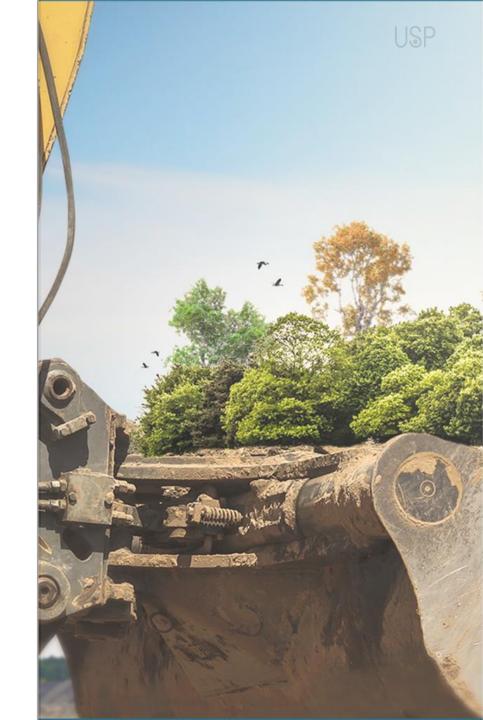


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About European Electrical Installation Monitor Key takeaways Business development Theme topic – Sustainability Appendix



About European Electrical Installation Monitor

THE GOAL

To check and track the behaviour and trends in the European electrical installation market. This is done 4 times per year, by means of 805 phone interviews (per quarter) with registered electrical installation companies, divided over 7 major European markets.

THE RESEARCH TOPICS

Fixed part: Economic developments of the installation companies in Europe (order book and turnover development)

Quarterly theme topics in 2022:

Q1: Sustainability Q2: Smart buildings

Q3: Services in the installation market

Q4: Branding





PROJECT TEAM



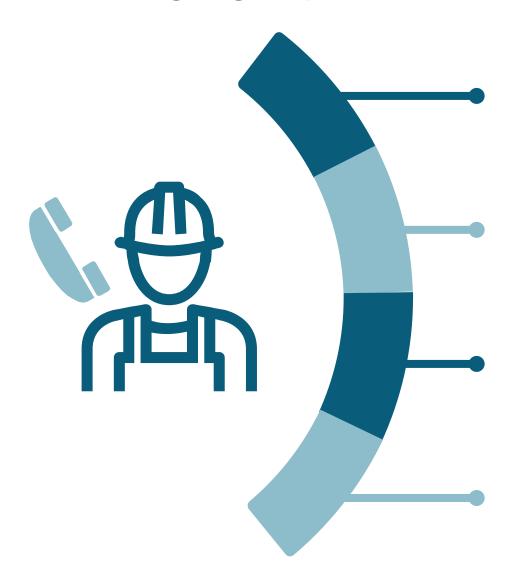
Maja Markovic Project Manager +31 682834333

Maja Jelicic Senior Research Analyst elicic@usp-mc.nl

Dirk Hoogenboom Research consultant +31 652098924 noogenboom@usp-mc.nl



About target group & methodology



Surveying electrical installation companies...

Interviewed companies need to provide electrical installation services, but they may also do other activities in addition (HVAC, plumbing, etc.). Most interviews are conducted with owners/ directors or purchasers of these companies.

... selected from a country-representative database

USP possesses an international database of electrical installation companies, which is constantly updated. Respondents are thus not part of a fixed panel; the sample varies from wave to wave.

... through phone interviews, by native-speaking agents

Phone surveys are the best approach for obtaining a sufficient sample, in order to provide insights that can be relied on. These phone calls are made by fixed fieldwork partners, located in the respective countries.

... weighting the results based on company size groups

Country results are weighted so that all three company size groups* have an equal influence on the total. As typically most interviews are conducted with small companies, we believe it is important to correct in order for big companies to have an equal impact on the 'total' results. This way the results are not heavily influenced by many smaller companies.



About the Q1 theme topic



Surveying the Sustainability topic...

The construction sector is one of the most resource-consuming sectors. In the last decade, several initiatives have been made to encourage the construction industry to support the agenda of sustainable development. However, the pace of change in each country differs.

The role of installation systems can contribute enormously in constructing sustainable buildings and reducing CO2 emissions.

...allows for better understanding of installers' role and attitude towards sustainable solutions

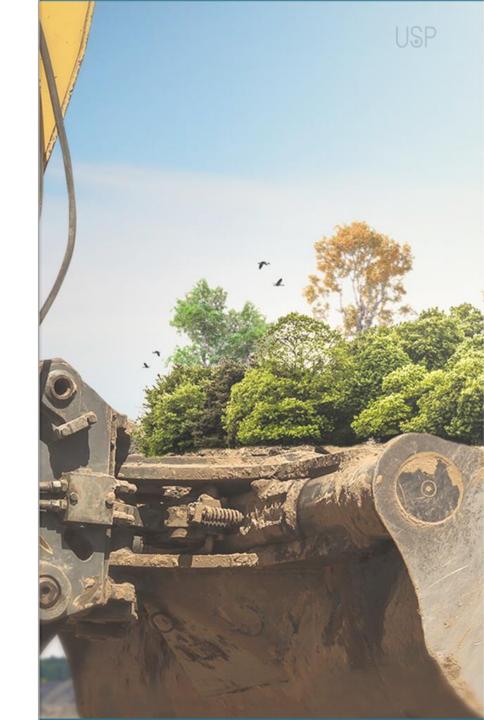
This report aims to help manufacturers of electrical installation products understand installers' attitudes towards a sustainable construction and installation industry. This is essential for their designing of products and solutions, as well as to target the right stakeholders and to encourage them to deliver a more sustainable building environment.

To provide the necessary insights, we covered the following topics:

- Sustainability concept:
 - · Installers' perception of sustainability/ sustainable solutions;
 - The role of various stakeholders in driving sustainability;
 - Contribution of various products/ solutions to creating sustainable buildings;
- Current status of sustainable projects;
- Motivations & barriers;
- Leaders in sustainable solutions.

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Key takeaways



Business Development

Important: All quantitative data in this report was obtained during governmental COVID-19-related restrictions in the respective countries.

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 Lorem ipsum dolor sit amet, consectetuer adipiscing elit. Aenean commodo ligula eget dolor. Aenean massa.

Turnover balance Negative | Positive

0	Q1-22	20%
Germany	Exp. Q2-22	20%
The Netherlands	Q1-22	20%
The Netherlands	Exp. Q2-22	20%
UK	Q1-22	20%
UK	Exp. Q2-22	20%
Dolaium	Q1-22	20%
Belgium	Exp. Q2-22	20%
France	Q1-22	20%
France	Exp. Q2-22	20%
Poland	Q1-22	20%
Folanu	Exp. Q2-22	20%
Spain	Q1-22	20%
Spaili	Exp. Q2-22	20%

Key takeaways

Challenges towards a sustainable future

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Penetration of sustainability in installation

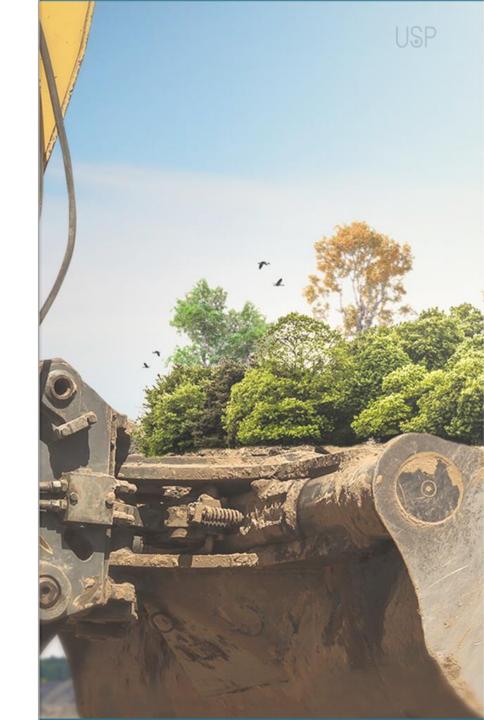
Q: In what share of your projects are you dealing with sustainability topics?

met, consectetuer adipiscing elit. Aenean	Never (0%) 1 - 50% 51 - 99% Always (100%) DK						
olor. Aenean massa.	UK	20%	20%	20%	20%	20%	20%
	Germany	20%	20%	20%	20%	20%	20%
	France	20%	20%	20%	20%	20%	20%
	Poland	20%	20%	20%	20%	20%	20%
	Belgium	20%	20%	20%	20%	20%	20%
	NL	20%	20%	20%	20%	20%	20%
	Spain	20%	20%	20%	20%	20%	20%

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About European Electrical Installation Monitor Key takeaways Business development Theme topic – Sustainability

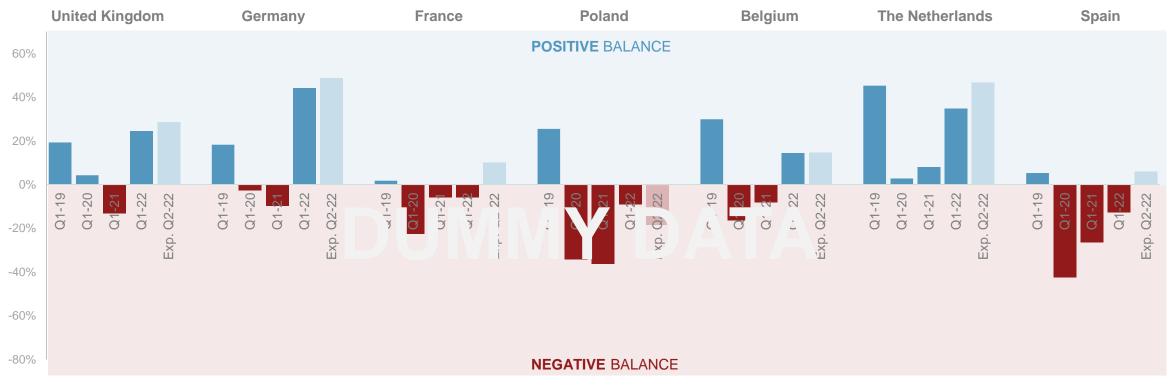
Appendix





Turnover balance

Q: If you compare your turnover of Q1-22 to the same quarter last year, how did your turnover develop? (% INCREASE minus % DECREASE)



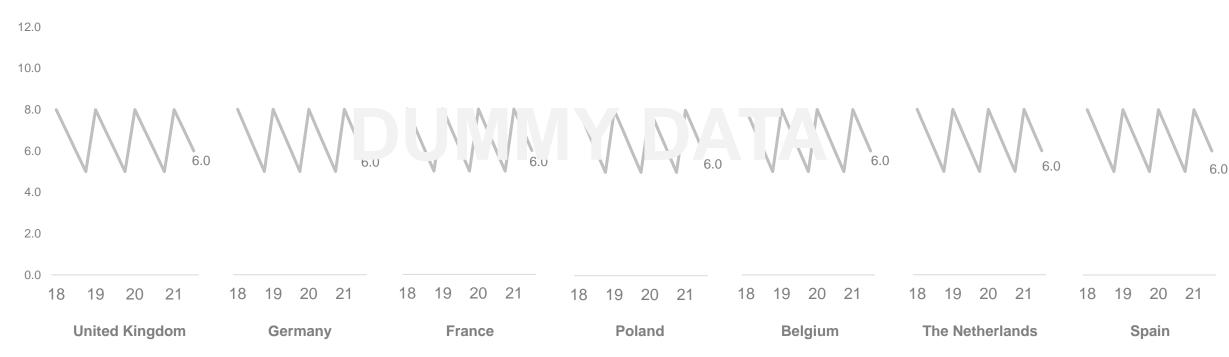
Important: The 2020 and 2021 data was obtained while governmental COVID-19-related restrictions were in effect in the respective countries.



Order book portfolio

14.0

Q: How big is your current order book portfolio? For how many months will you be able to keep your current staff working? (MONTHS)



Important: The 2020 and 2021 data was obtained while governmental COVID-19-related restrictions were in effect in the respective countries.



Impact of the war in Ukraine on installers business (EU level) Q: Do you expect that the war in Ukraine will have any impact on your work and in what way?

20%	Materials / products will become more expensive					
20%	Materials / products will become more difficult to obtain					
20%	No impact					
20%	Projects will be cancelled					
20%	Projects will be postponed					
20%	will need to increase our prices	We wil				
20%	There will be less workers					
20%	Impact will be in all aspects					
20%	Energy price will increase					
20%	More staff will be available					
20%	Other					
20%	Don't know					



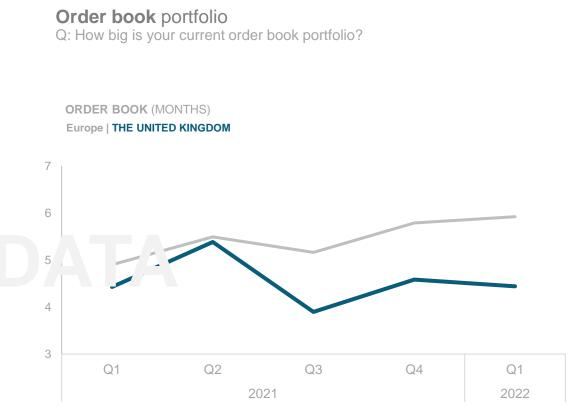
Turnover balance

Q: If you compare your turnover of Q1-22 to the same quarter last year, how did your turnover develop? What are your expectations for the development in Q2-22?

TURNOVER BALANCE = % INCREASE minus % DECREASE)

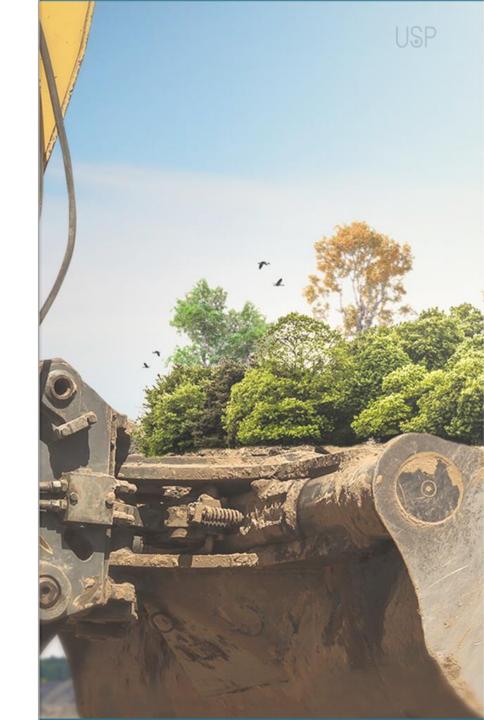


Detailed information regarding the turnover distribution can be found in the appendix.



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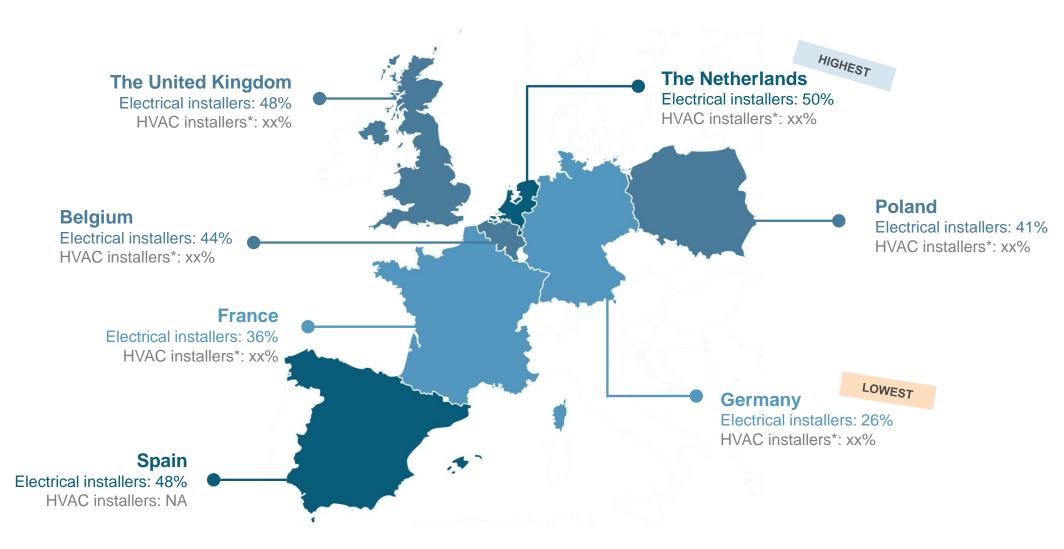
About European Electrical Installation Monitor Key takeaways Business development Theme topic – Sustainability Cross country summary Appendix





Current status of sustainability: Electrical vs HVAC installers

Average % of projects in which **any kind of sustainability** influence takes place (like energy efficiency, carbon footprint, using recycled materials or general regulation)





Most used installation products in sustainable solutions

Q: Which installation products are mainly being used/chosen in your projects when sustainable solutions are requested?

U	K Germany	France	Poland	Belgium	NL	Spain
% (Strong	ly) agree					
Energy management/ measurement 20%	20%	20%	20%	20%	20%	20%
Home Automation/ Smart products 20%	20%	20%	20%	20%	20%	20%
Photovoltaics 20%	20%	20%	20%	20%	20%	20%
Battery storage (with PV) 20%	20%	2 1 1 1 1 1 1		76.	20%	20%
EV charging 20%	20%	20%	20%	20%	20%	20%
HVAC 20%	20%	20%	20%	20%	20%	20%
Electrical Installations 20%	20%	20%	20%	20%	20%	20%
CO2 sensors/ Smart weather station 20%	20%	20%	20%	20%	20%	20%
LED lighting 20%	20%	20%	20%	20%	20%	20%



Leaders in sustainable solutions

Q: When thinking about advanced sustainable solutions, which manufacturers of electrical installation products come first to your mind? [Top-1]

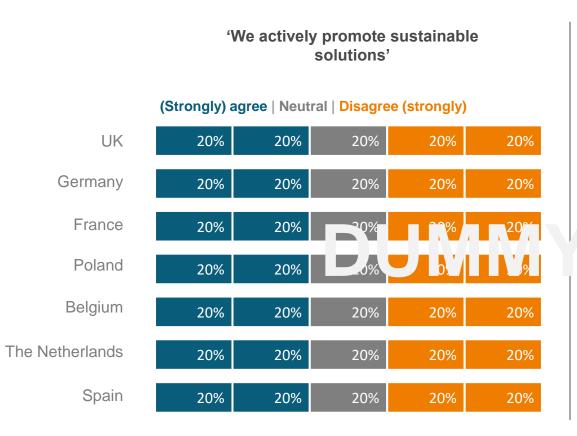


DUMMY DATA

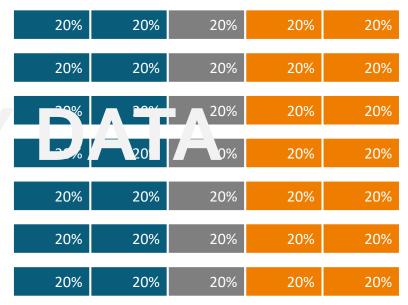


Installers' sentiment

Q: To what extent do you agree with the following statements?

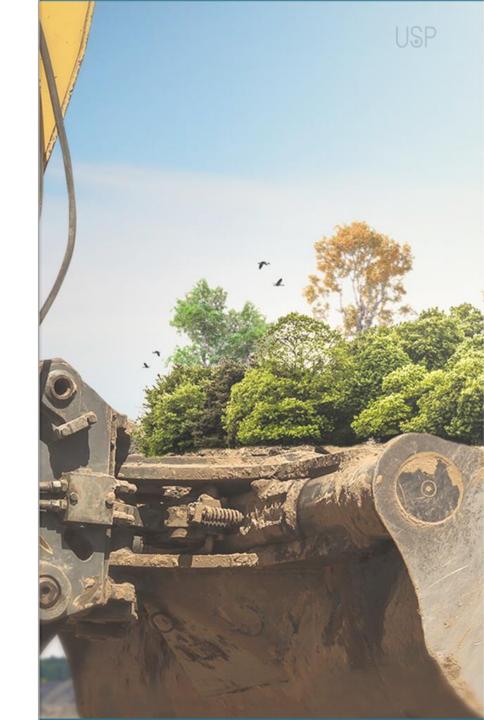


'We integrate sustainability calculations in our proposals'



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Perception of sustainability

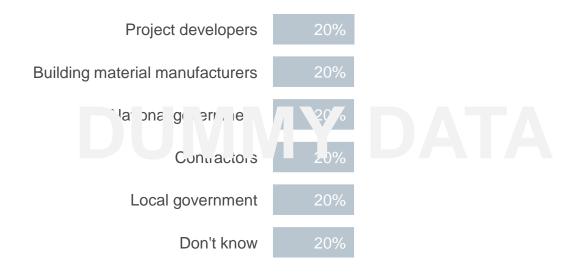
Q: In the electrical industry the manufacturers often talk about sustainable solutions. What are, according to you, the main characteristics of a sustainable solution? [Top-10] Q: When your clients ask for sustainable solutions, what do they most often search for? [Top-10]

lı	nstallers perspective	Clients' requests	
Energy efficiency/ saves energy	20%	20%	
Using renewable energy (sun, wind, thermal)	20%	20%	Smaller companies more often xxx
Low running cost (low energy costs)	20%	20%	Clients of smaller companies more
avest one/	/ *	20	often xxx
Healthier environment a vvell-being	20%	20%	
With low carbon footprint	20%	20%	
Durable, long-lasting	20%	20%	
Produced from recycled or sustainable materials	20%	20%	
To be reusable	20%	20%	
Don't know/no opinion	20%	20%	



Driving forces

Q: Which stakeholders are the most influential ones when it comes to promoting sustainability/ sustainable solutions? [Top-5]

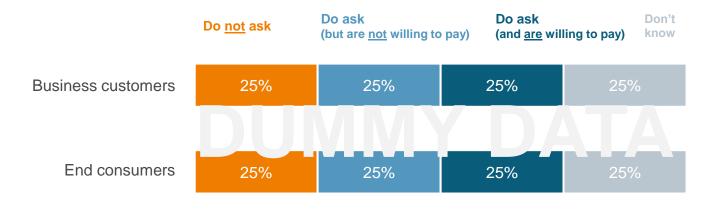


Base: n= 125, all installers



Willingness to invest in sustainability

Q: If we divide your clients in two main types: business clients (contractors, architects, building owners etc) and end consumers, to what extent do those two types of customers ask for sustainable installation solutions?



Business customers of larger companies ...



Installation products/ solutions

Q: To what extent do you agree that the following products/ solutions can be used for creating sustainable buildings?

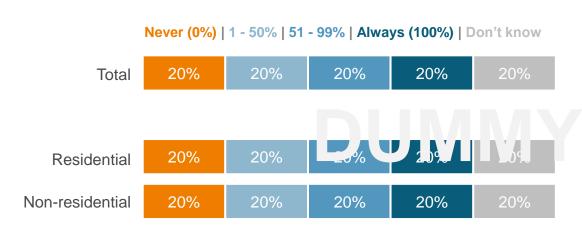
	(Strongly) agree	Neither ag	Neither agree nor disagree		agree
LED lighting	20%	20%	20%	20%	20%
Energy management & energy measurement	20%	20%	20%	20%	20%
Electrical vehicle charging	20%	20%	20%	20%	20%
Photovolt ics (P)	50	200	74%	20%	20%
Electrical Insations		20%	20%	20%	20%
Home Automation/ Smart products	20%	20%	20%	20%	20%
Battery storage in combination with PV	20%	20%	20%	20%	20%
Heating, ventilation and air conditioning	20%	20%	20%	20%	20%
CO2 sensors, Smart weather station	20%	20%	20%	20%	20%

Base: n= 125, all installers



Penetration of sustainability in installation

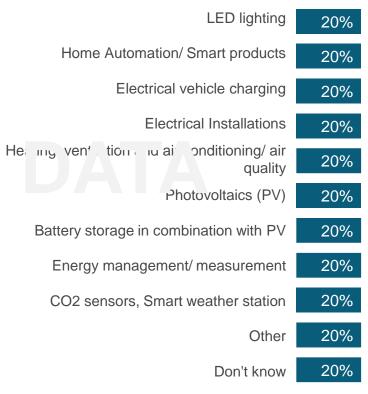
Q: In what share of your projects are you dealing with sustainability topics like energy efficiency, carbon footprint, using recycled materials, and compliance of the products with sustainability regulations?



xx% believes that the demand for sustainable products will increase in the coming 2 years

Most used installation products in sustainable solution

Q: Which installation products are mainly being used/chosen in your projects when sustainable solutions are requested?



Base: n= 125, all installers

Base: n= 111, if involved in sustainability projects



Drivers and **barriers** of sustainability

Q: What are the most important drivers of sustainability in the installation sector? | Q: And what are the main challenges for you as an installer with regard to offering and working with sustainable solutions?

Request from end users/ clients/ principals 20% Cost efficiency 20% Installers in large and medium companies ... 20% Laws and environmental regulations 20% Care for the environment 20% To stay up to date with the latest technology 20% New product i no ati ns y an activer, by H.Jh price____ingh_inve_tm_nt_costc Require additional knowledge/ training from the installers 20% Unclear benefits for the end user 20% xx% reported to have needs for education 20% Long payback period support/ advice regarding sustainable 20% No barriers solutions 20% Product availability

Base: n= 125, all installers



Leaders in sustainable solutions

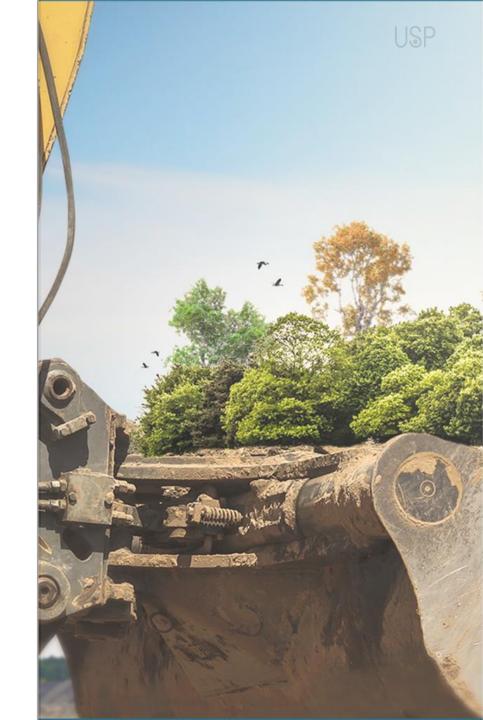
Q: When thinking about sustainability/ advanced sustainable solutions, which manufacturers of electrical installation products (e.g. energy management, home automation) come first to your mind?



Base: n= 125, all installers

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Respondents' background characteristics

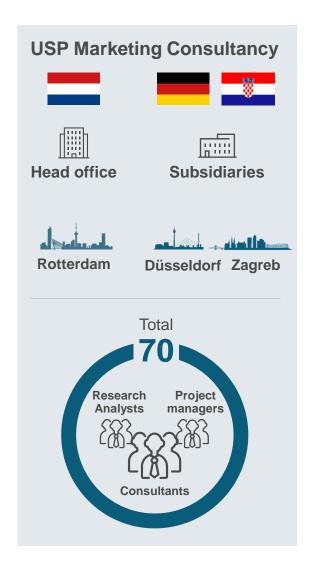
Job title of the interviewed respondents and the company size

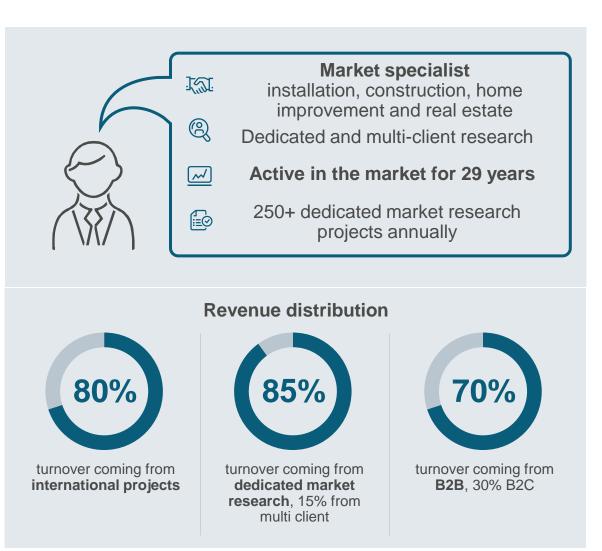
Q: What is your position within the company?
Q: Yourself included, how many fulltime employees does your company have in total, in all branches?

	UK	Germany	France	Poland	Belgium	Netherlands	Spain
Owner / director / manager	50%	50%	50%	50%	50%	50%	50%
Project manage	er 50%	50%	50%	50%	50%	50%	50%
Engineer / designe	er 50%	50%	50%	50%	50%	50%	50%
Install	er 50%	50%	50%	50%	50%	50%	50%
Calculator / work planne	er 50%	50%	50%	50%	50%	50%	50%
Purchase	er 50%	50%	50%	50%	50%	50%	50%
1 - 4 FTE	50%	50%	50%	50%	50%	50%	50%
5 - 14 FTE	50%	50%	50%	50%	50%	50%	50%
15+ FTE	50%	50%	50%	50%	50%	50%	50%



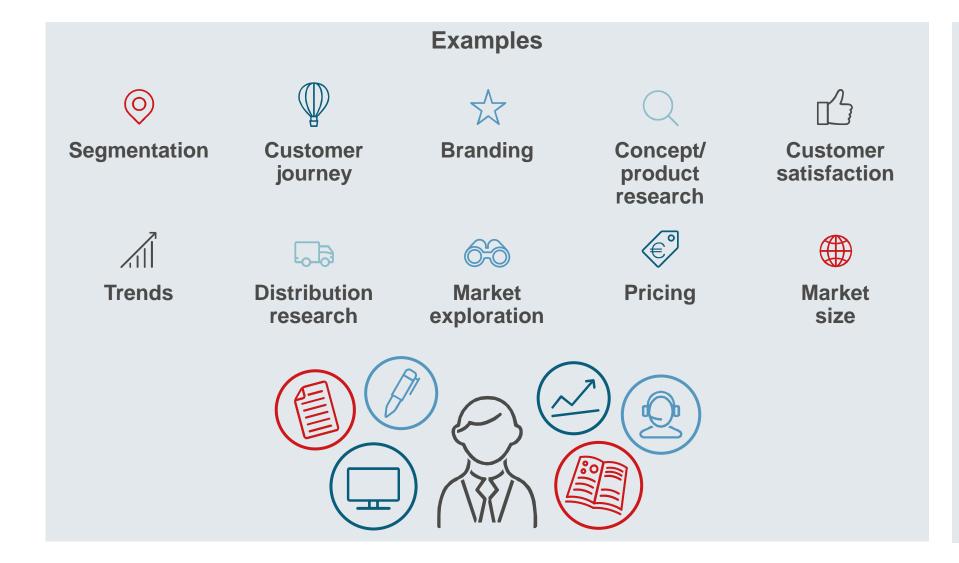
About USP







What we do



Dedicated market research

- Tailor made
- Driven by your information needs
- Advice & consultancy based on facts and over 25 years of experience in the industry
- Worldwide coverage
- B2B, B2C, qualitative and quantitive research or a combination of both
- Within our market specialism, all types of researches can be conducted
- Targeting the right audience, with the right questions at the right time.

Our multi-client research monitors



	European Architectural Barometer	European Contractor Monitor	European Mechanical Installation Monitor	European Electrical Installation Monitor	European Painter Insight Monitor	European Home Improvement Monitor
Target group	Architects	Building contractors	HVAC installers	Electrical installers	Professional painters	Consumers
Methodology	Q	Q	Q	<u>Q</u>	Q	
Annual sample size	3,400 interviews	2,050 interviews	2,600 interviews	3,000 interviews	2,300 interviews	26,400 interviews
Country scope	 Germany United Kingdom France Netherlands Belgium Poland Spain Italy 	 Germany United Kingdom France Netherlands Belgium Poland Spain Italy 	GermanyUnited KingdomFranceNetherlandsBelgiumPoland	 Germany United Kingdom France Netherlands Belgium Poland Spain 	 Germany United Kingdom France Netherlands Belgium Poland Spain Italy Denmark Sweden 	 Germany United Kingdom France Netherlands Belgium Poland Spain Italy Denmark Sweden Austria
Way of reporting	Quarterly	Bi-annually	Quarterly	Quarterly	Annually	Quarterly
2022 Theme topics	 Q1: Sustainability Q2: Trends in material usage Q3: Decision making Q4: Brand health scan 	H1: PrefabricationH2: Digitalisation and BIM	 Q1: Digitalisation and BIM Q2: Prefabrication Q3: Smart buildings and products Q4: Media orientation 	 Q1: Sustainability Q2: Smart buildings and products Q3: Services in the installation market Q4: Brand health scan 	Trend trackingSustainabilityLabour shortageOnline buyingMedia orientation	 Q1: Orientation; rise of digital natives Q2: Purchase Channels; online leaders Q3: Brand health check Q4: DIY vs DIFM; outsourcing jobs



We are active globally



Principals of USP













































DIY





































































Marketing Consultancy

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