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Profile of the Mechanical installer

Business development

Theme topic – Smart buildings and products

BIM users - European overview

United Kingdom

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About European Mechanical Installation Monitor

THE GOAL

To check and track the behaviour and trends in the European Mechanical installation market. This is done 4 times per year, by means of around 700 phone interviews (per quarter) with registered HVAC installation companies and plumbers, divided over 6 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 2024:

Q1: BIM

Q2: Smart and connected products

Q3: Prefab

Q4: Media orientation

Report Q1 Report Q2 Report Q3 Report Q4 May August November February 2024 2024 2025

COUNTRY SCOPE Background characteristics of the interviewed respondents can be found in the appendix

PROJECT TEAM



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Matija Sinković Senior Research Analyst

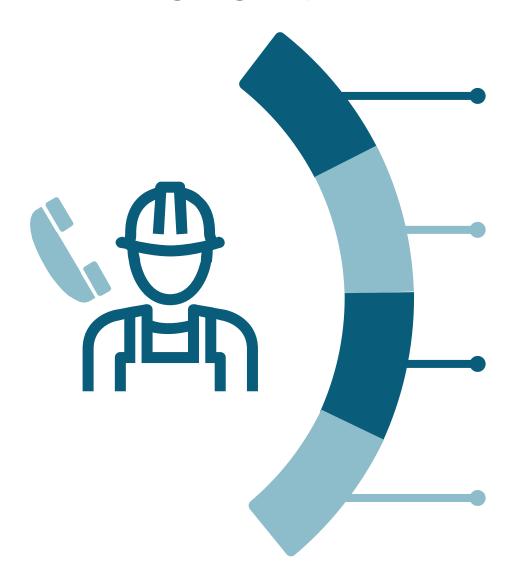
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Dirk HoogenboomResearch consultant

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About target group & methodology



Surveying HVAC installation companies...

Interviewed companies need to provide HVAC installation services, but they may also do other activities in addition (Electrical installation 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 HVAC 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 number of interviews, in order to provide insights that can be relied on. These phone interviews are conducted by fixed fieldwork partners, located in the respective countries.

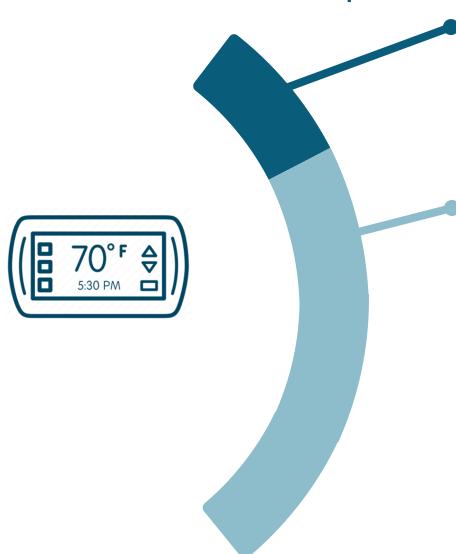
... weighting the results based on company size groups

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

^{*} **Group 1**: 1-4 FTE; **Group 2**: 5-14 FTE; **Group 3**: 15+ FTE



About the Q2 theme topic



Surveying the Smart building topic...

This quarter we investigated the topic of smart building and smart products installations, by asking installers about their involvement with and opinion about smart products and buildings.

Smart products are intelligent - have sensors, are connected to the Internet and are being controlled via apps.

...allows orientation towards a better quality of living and working

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

- Installers' involvement in smart product installation
- · Smart products development
- Main features of the smart products
- Main issues when working with smart products
- Working remotely with smart products
- Attitude towards smart tool apps

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Key takeaways



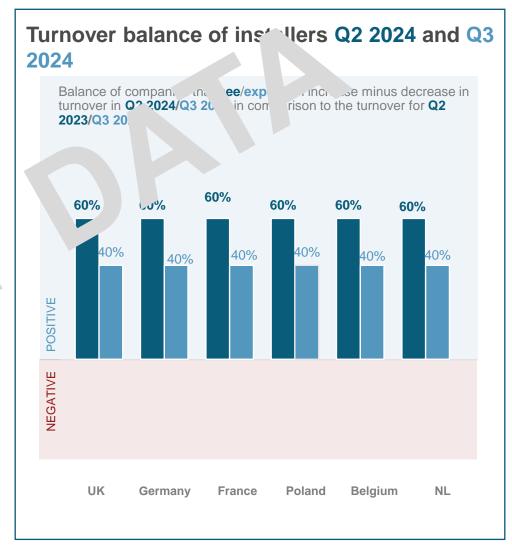
Business Development

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Key takeaways

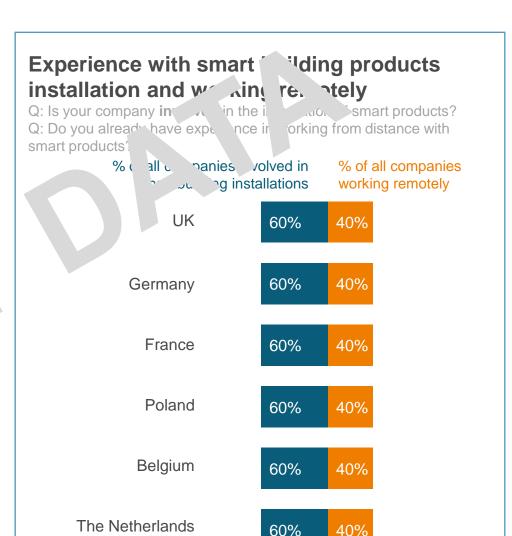
Theme: Smart products and solutions

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Core HVAC activities
Which of the following installation activities does your company perform?

	UK	Germany	⁻rance	Poland	Belgium	Netherlands
Sample size	125	126	25	125	80	101
Heating installations	50%	50%	E	50%	50%	50%
Hot & cold water installation	50%	.0%	50%	50%	50%	50%
Installation of sanitary ware	%	, %	50%	50%	50%	50%
Homos	50	50%	50%	50%	50%	50%
Ventila	50%	50%	50%	50%	50%	50%
Air ditioning coolir	50%	50%	50%	50%	50%	50%

her in tallation activities

	UK	Germany	France	Poland	Belgium N	Netherlands
Sample size	125	126	125	125	80	101
Solar cell, solar collectors	50%	50%	50%	50%	50%	50%
Electrical installation	50%	50%	50%	50%	50%	50%
Home automation installation	50%	50%	50%	50%	50%	50%



		Per company size			
	Core HVAC activities	1-4 FTE	5-14 FTE	15+ FTE	
Heating installations	40%	40%	40%	40%	
Hot & cold water installation	40%	40%	40%	40%	
Installation of sanitary ware	40%	40%	40%		
Heat pumps	40%	40%	40	10	
Ventilation	40%	4 1/3	4 6	1 0%	
Air conditioning and cooling	7%	4, 5	40%	40%	

	Per	compan	y size
Other tivi s	1-4 FTE	5-14 FTE	15+ FTE
Home automation installatins 40%	40%	40%	40%
Elec ral instatic s 40%	40%	40%	40%
Solar cell, suar collectors 40%	40%	40%	40%

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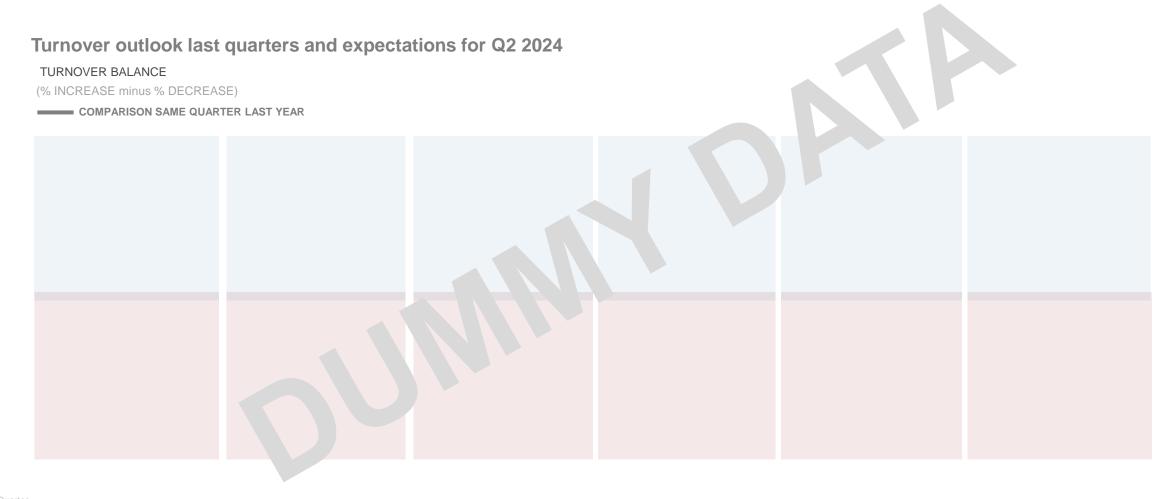
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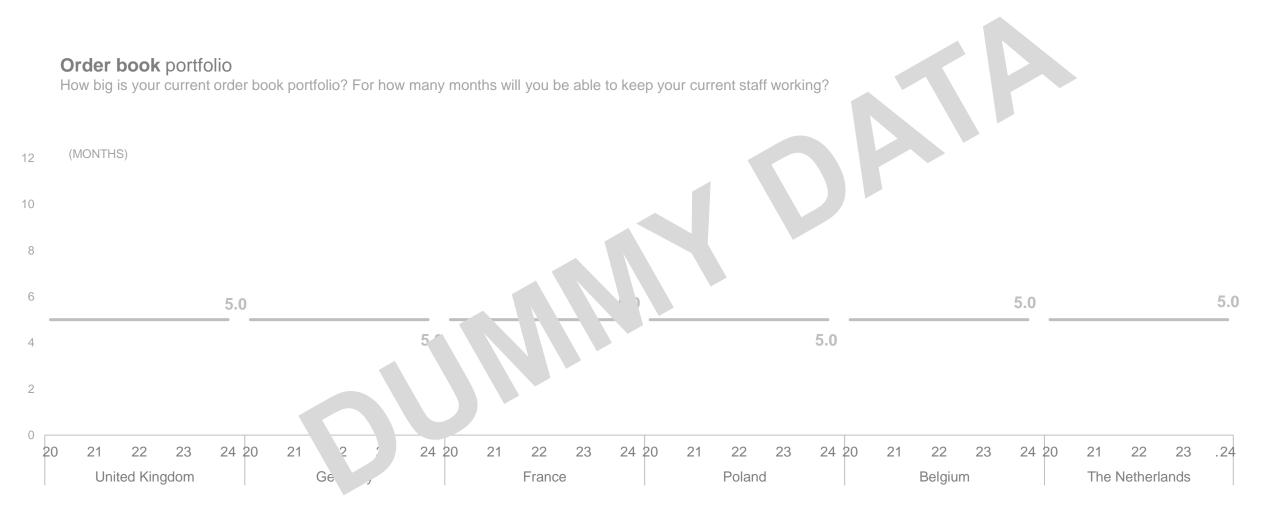


Juarter

NEGATIVE POSITIVE

The United Kingdom Germany France Poland Belgium The Netherlands

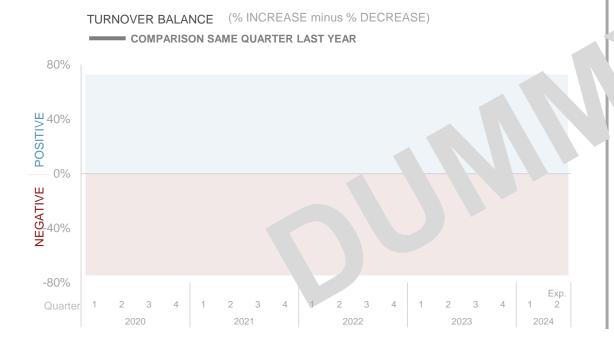


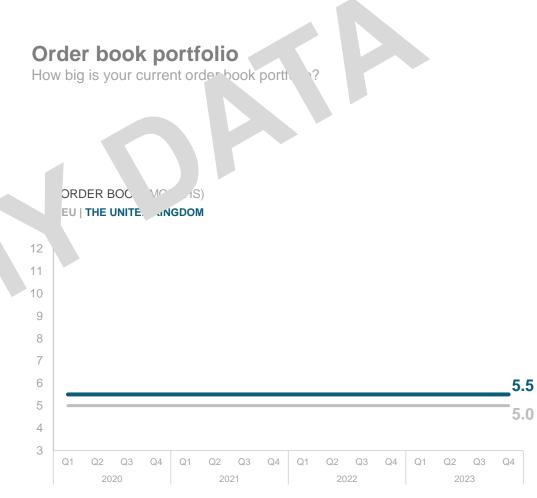




Turnover outlook

If you compare your turnover of Q2-24 to Q2-23, how did your turnover develop? What are your expectations for the development in Q3-24?

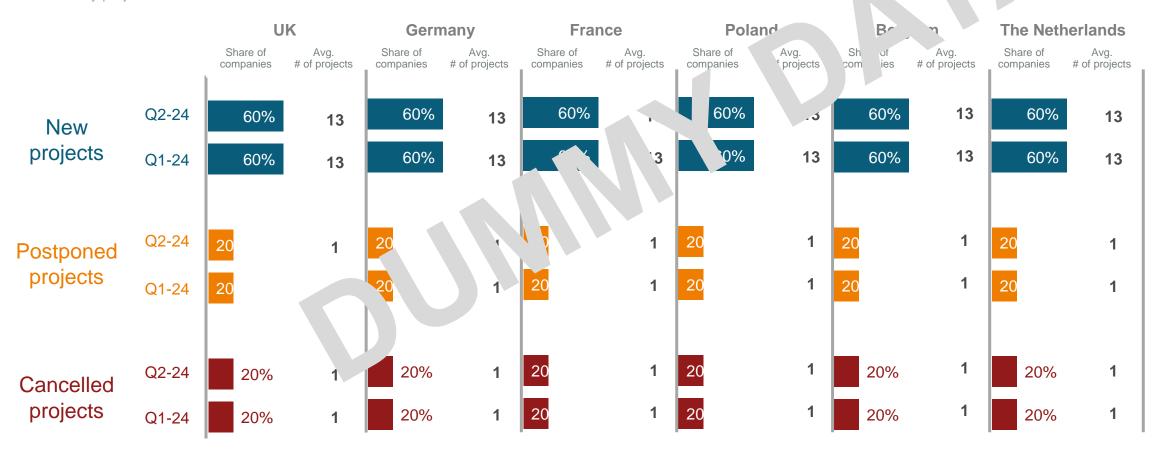






Number of projects in Q2 2024

How many new projects has your company scored/ been commissioned in Q2 2024? How many projects have been postponed in Q2 2 4? In Q2 2024, how many projects were not started and cancelled?



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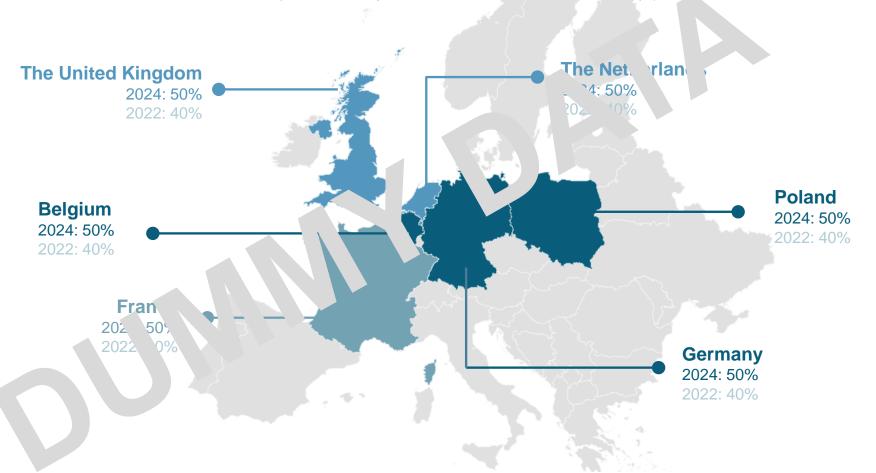
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(products that are connected to the internet and can communicate with other products in the system, or can be controlled via Internet or apps)





Smart product development of HVAC installation industry

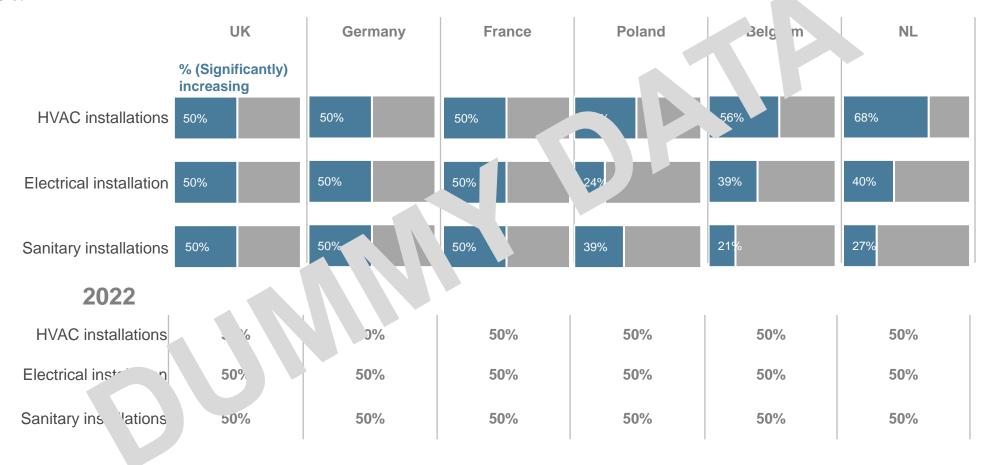
Q: The HVAC and sanitary industry is developing more and more products that are intelligent - have sensors, are connected to the Internet and are being controlled via apps. How do you feel about that development?

(Very) positive | Neutral | Negative (very) | Don't know UK 20% 20% 20% 20% 20% Germany 20% 20% 20% 20% 20% 20% France 20% 20% Poland 20% 20% 20% Belgium 20% 20% 20% 20% 20% The Netherlands



Request and demand from clients for home automation and smart products

Q: From your experience in the last years what is happening with the request and the demand from clients for home automation and smart products related to the following types of installations?

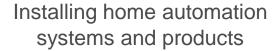


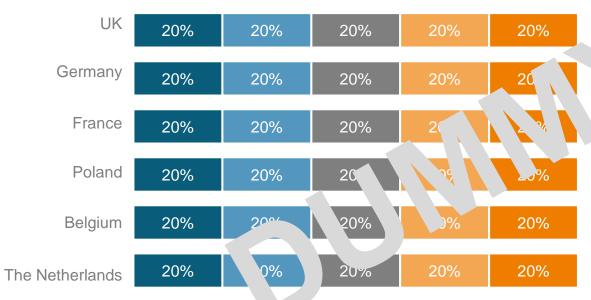


Familiarity with smart home installations

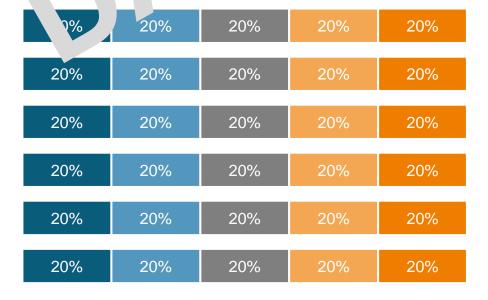
Q: How comfortable are you with following activities? You can answer on a scale of 1 to 5, where 1=Not comfortable at all; 2= Rather uncor 3=Neutral; 4=Rather comfortable; 5=Very comfortable.

Very comfortable | Rather comfortable | Neutral | Rather uncomfortable | Not comfortable at a 10 2t know





Con acconfiguring e cronc products**



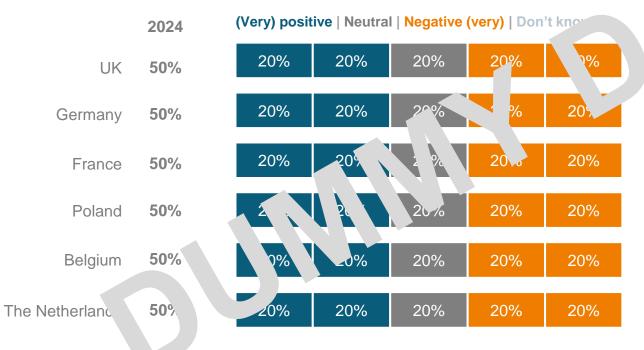


Working remotely

Q: An idea behind the smart products is that if they are connected to the Internet it will be possible to monitor the performance, diagnose, maintain, and control them from a distance. Do you already have experience in working from distance with smart products?

Q: What is your experience with working from distance with smart products

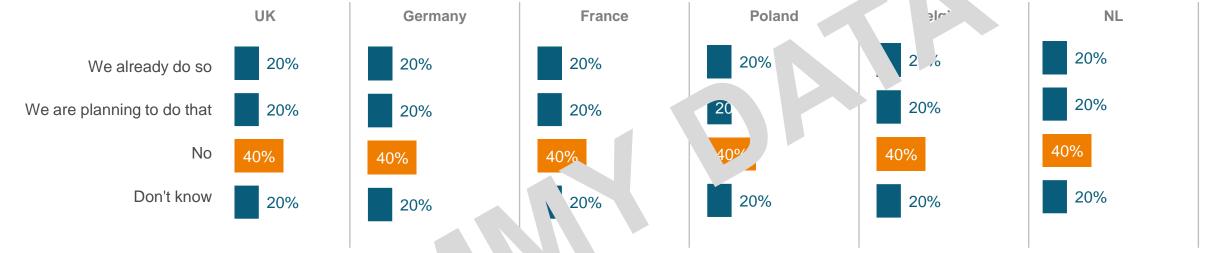
% working remotely (from all installers)





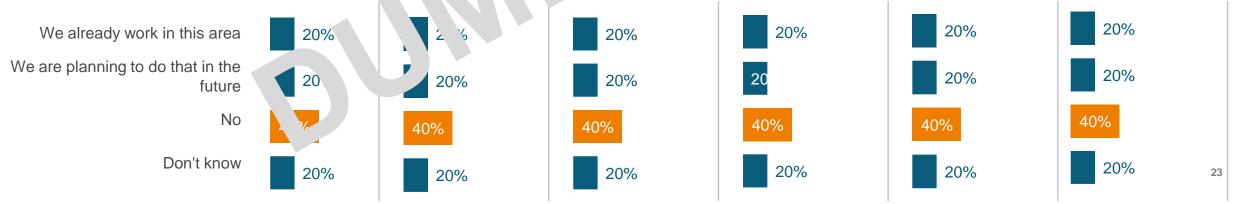
Investing in digital and electronic competencies

Q: Do you see your company hiring more technical profiles in the future, people better trained to deal with digital and electronic products?



Expanding business: monitoring and predictive since.

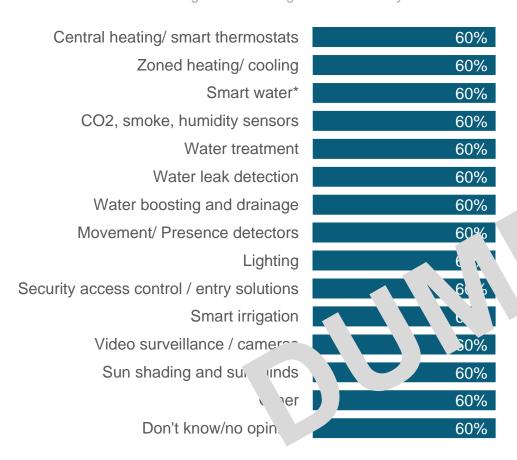
Q: Is data monitoring and predictive business (service) an a service of the pring with your business?



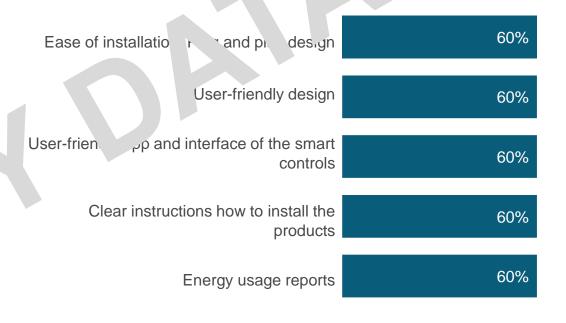


Installed smart building solutions

Q: Which of the following smart building solutions have you installed already?



Q: What are for you the most important for the of a smart product?

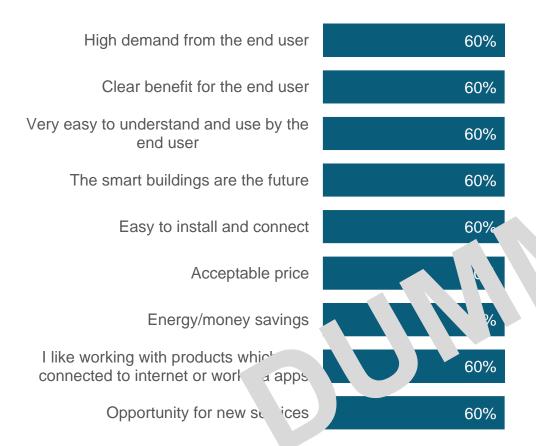


^{*}Smart water includes Water treatment, leak detection and water boosting and drainage (also shown separately)



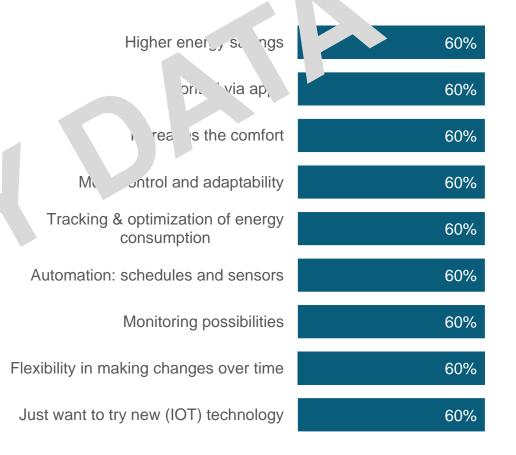
Top reasons to install smart products and solutions

Q: What are the reasons for you to install/recommend to install smart products and solutions?



End users as drivers

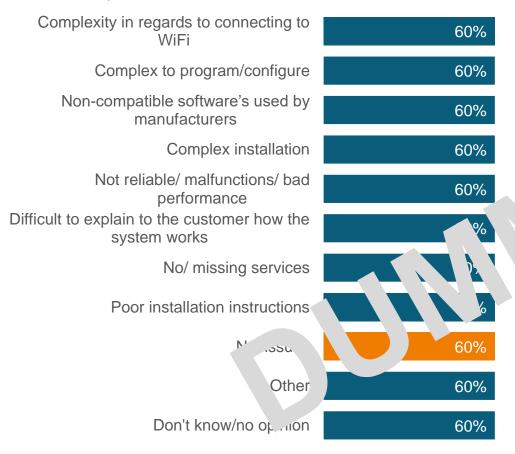
Q: What are the main drivers for your clients when they request smart products and solutions?





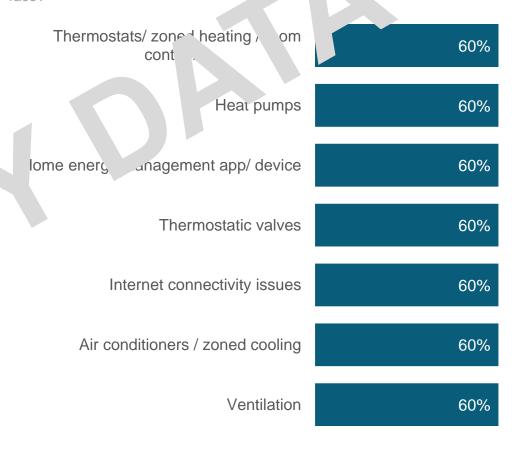
Issues with installing smart products

Q: Have you ever had any issues when installing smart products, and what are the main issues you face?



Products causing problems

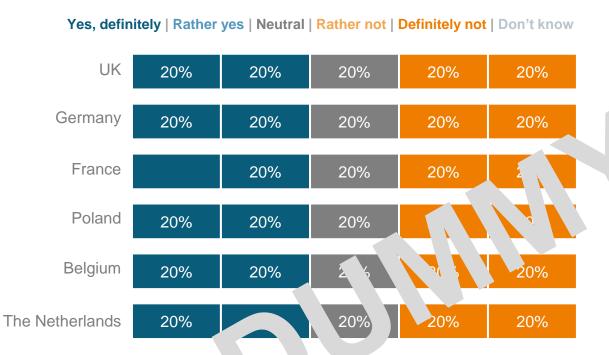
Q: Which products in the smart system/ building se normally the problems you face?





Interest in tool specific apps

Q: Would you be interested in tool-specific apps for smartphones?



Functions to be seen in the specific app

Q: Would you be interested in the specific as for smartphones?

60%	Remoagnc.s.iics		
60%	Soft are updates		
60%	Performance monitoring		
60%	G service for tion / organize service via app		
60%	Error code translation		
60%	Operate the tool directly and also via app		
60%	Administration of multiple devices in one app		
60%	ogging data and automatically create documentation		
60%	Adding new functionalities		
60%	Sharing of logged data and or documentation		
60%	Involve back office in jobsite via sharing tool data		
60%	Locking and unlocking the device		
60%	GPS tracking		
60%	Other		
60%	Don't know/no opinion		

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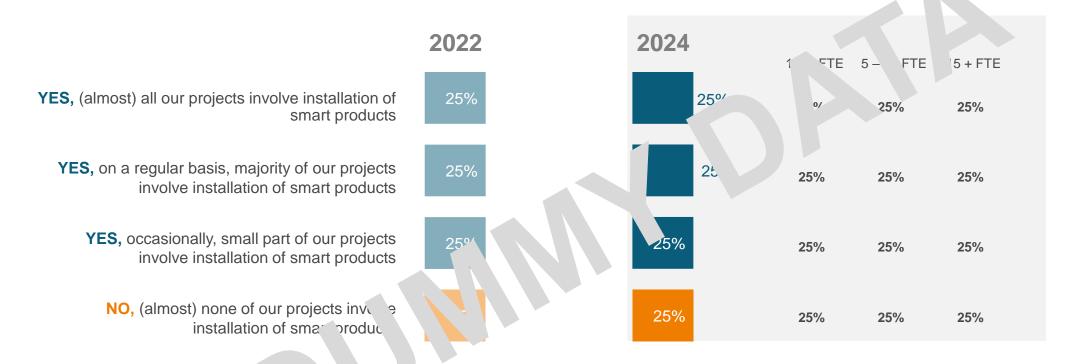
Appendix





Smart products installations

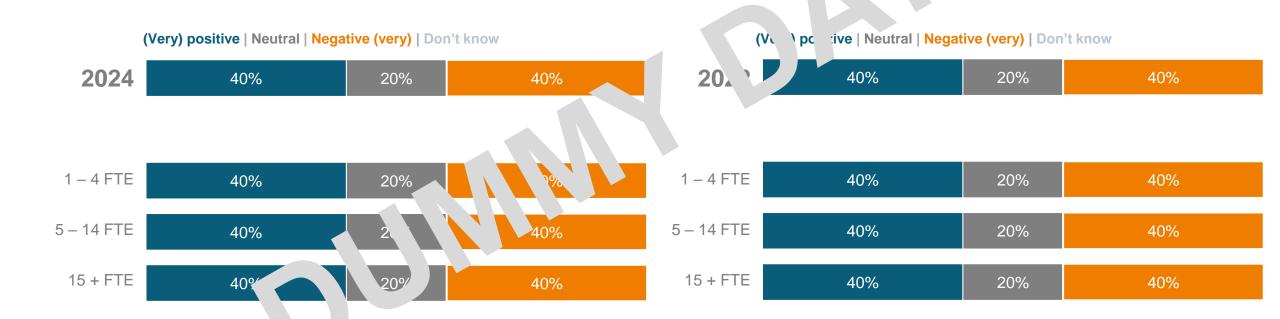
Q: Is your company involved in the installation of smart products, which are connected to the Internet and can communicate with other products in the system, or can be controlled via Internet or apps?





Smart product development of HVAC and sanitary industry

Q: The HVAC and sanitary industry, is developing more and more products that are intelligent - have sensors, are connected to the internet and a pring controlled via apps. How do you feel about that development??



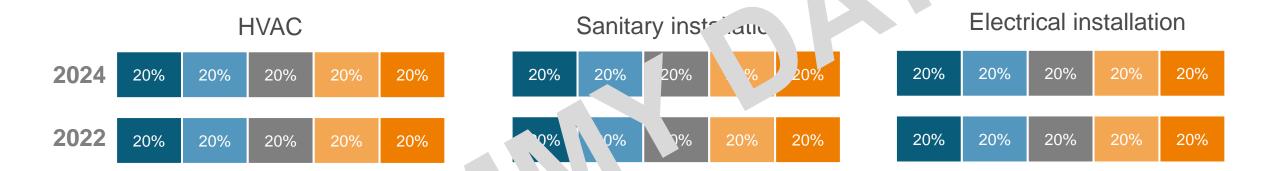
Base: n= 125, all installers; 2022 n=126, all installers



Request and demand from clients for home automation and smart products

Q: From your experience in the last years what is happening with the request and the demand from clients for home automation and smart products related to the following types of installations?

Significantly increasing | Increasing | Remain the same | Decreasing | Significantly decreasing | Don't k





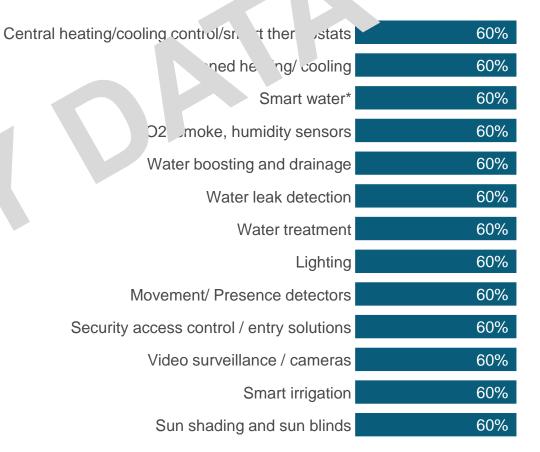
Involvement in smart product installation

Q: Is your company involved in home automation and installation of smart products?

60% of installers are involved in home automation and the installation of smart products

Installed smart building solutions

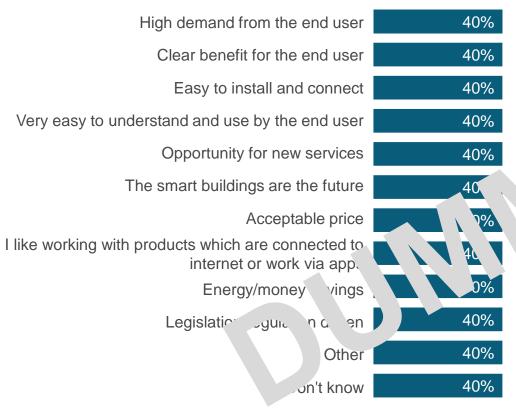
Q: Which of the following smart building shave you installed already?





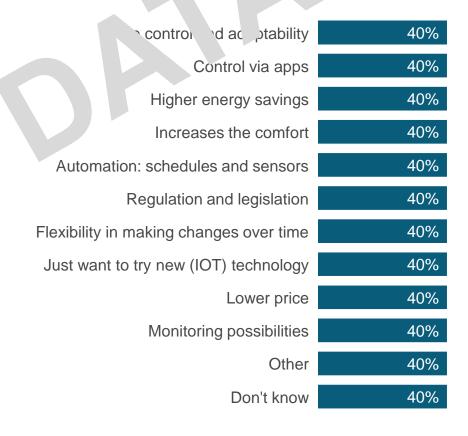
Reasons to install smart products and solutions

Q: What are the reasons for you to install/recommend to install smart products and solutions?



End users drivers

Q: What are the main drivers for your solutions?

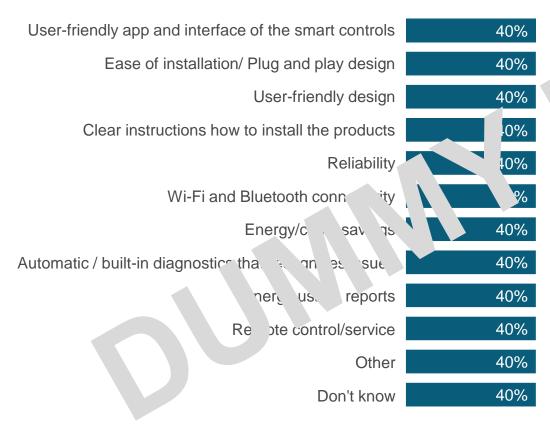


Base: n= 73, if involved in the installation of smart products



Most important features of smart products

Q: What are for you the most important features of a smart product?



Base: n= 125, all installers



Involvement in smart product installation

Q: Is your company involved in home automation and installation of smart products?

60% of installers are not involved in home automation and the installation of smart products

Main reasons not to work with home automation and install smart products*

Q: What are the main reasons not to lork high products?

No or very lov and fro, the e user	25%
con too r charle when installed	25%
pesn't do residential jobs	25%
Not my area of work	25%
Too complicated to install	25%
I do not like working with products which are connected to internet or need apps	25%
Such products are not available from my preferred	25%
brand(s) Such products are not available at my preferred	25%
wholesaler	25%
Too complex for the end user	25%
Too expensive products	25%
Other Don't know	25%
Don't know	

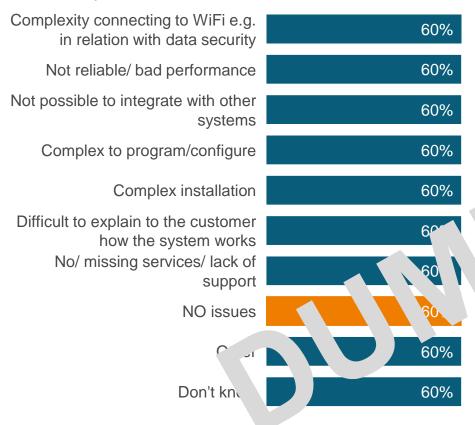
Base: n= 53, if not involved in the installation of smart products

^{*} Because of the small n, results are only informative and not conclusive



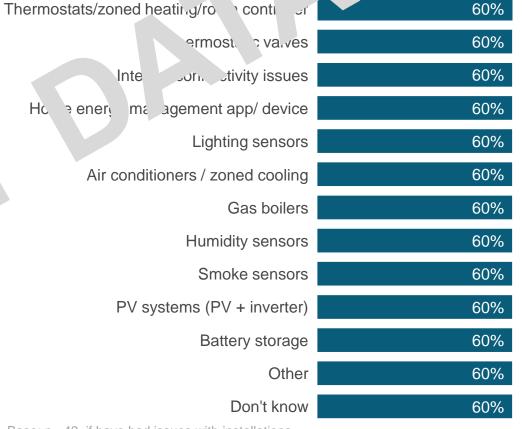
Issues with installing smart products

Q: Have you ever had any issues when installing smart products, and what are the main issues you face?



Products causing problems

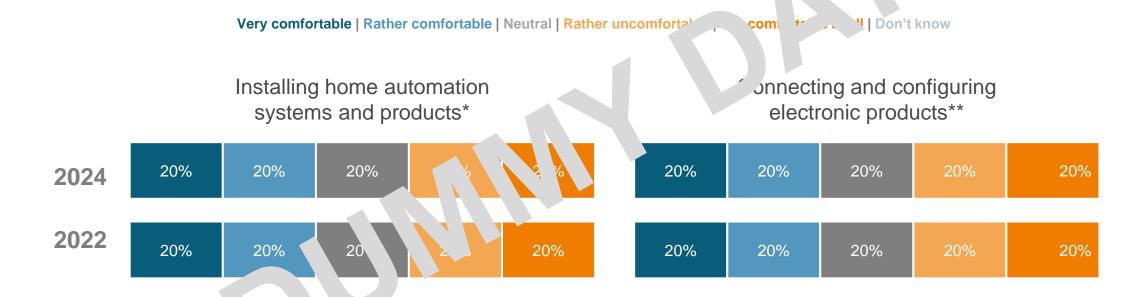
Q: Which products in the smart s face?





Familiarity with smart home installations

Q: How comfortable are you with following activities? You can answer on a scale of 1 to 5, where 1=Not comfortable at all; 2= F uncon rt 3=Neutral; 4=Rather comfortable; 5=Very comfortable.



^{2024: *}Base: n= 73, if involved in the installation of smart products
**Base: n= 125, all installers



60% of installers who work with smart products* have experience working remotely

Experience with working with smart products remotely**

Q: What is your experience with working from distance with smart products?

Very positive | Positive | Neutral | Negative | Very negative | Don't know

20% 20% 20% 20%

REASONS FOR POSITIVE EXPERIENCE

Convenient for installers/ can do that at any time 60% Higher efficiency / Saves time for traveling to the client Better maintenance of the system 60% Cost effective/ less travelling costs, etc 60% Better monitoring of the sy Ensures fast response to the problem of the stor. 60% Better planned maintenanc of the corice. 60% No inconvenience for the and us inconvenience for the and us inconvenience 60% Other 60% Don't know 60%

REASONS FOR NEGATIVE EXPERIENCE

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

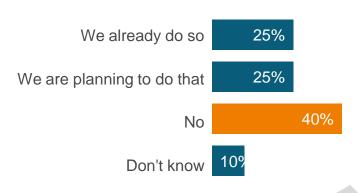
^{*}Base: n=72, if involved in the installation of smart products

^{**} Base: n=38, with experience with working from distance



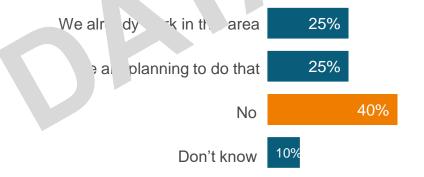
Investing in digital and electronic competencies

Q: Do you see your company hiring more technical profiles in the future, people better trained to deal with digital and electronic products?



Expanding business: monit and predictive services

Q: Is data monitoring and pressure by inestering with your businest entering with your





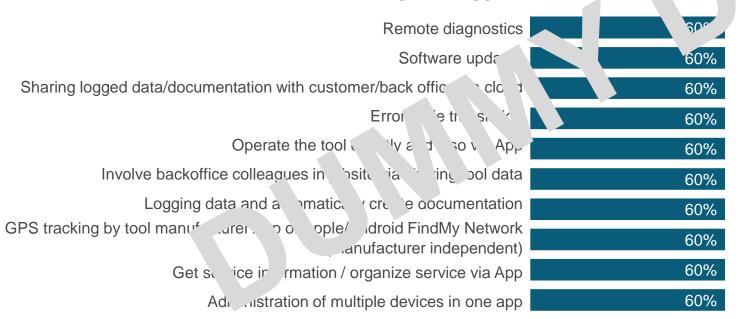
Interest in tool specific apps

Q: Would you be interested in tool-specific apps for smartphones?

Yes, definitely | Rather yes | Neutral | Rather not | Definitely not | Don't know

20%	20%	20%	20%	20%

Functions to be seen in the tool specific app

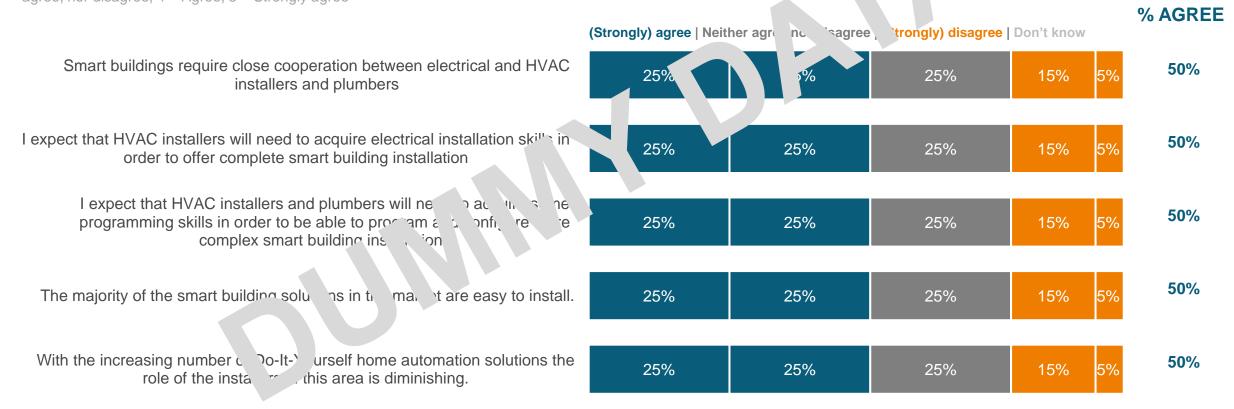


Base: n= 125, all installers



Installers' sentiment

Q: To what extent do you agree or disagree with any of the following statements. You can answer on a scale of 1 to 5, where trongly = Disagree; 3 = Neither agree, nor disagree; 4 = Agree; 5 = Strongly agree



Base: n= 125, all installers

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Respondents' background characteristics

Job title of the interviewed respondents and the company size

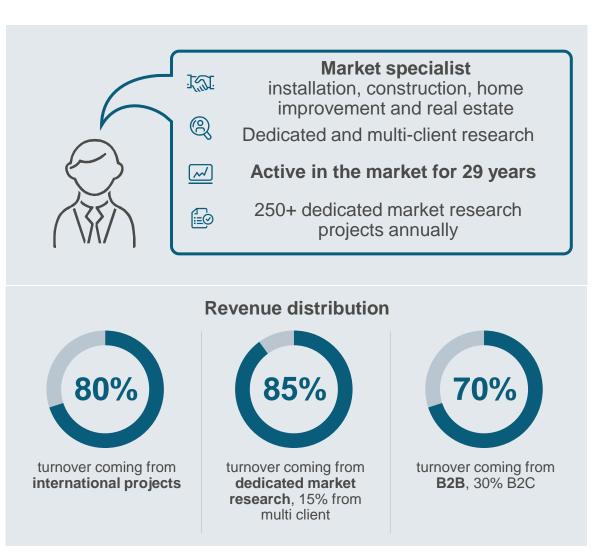
What is your position within the company? Yourself included, how many full-time employees does your company have in total, in all branches?

	UK	Germany	France	Poland	Belgium	Netherlands
Owner / Director/ Manager	77%	43%	74%	88%	80%	65%
Plumber/ installer	1%	33%	2%		0%	2%
Buyer/purchaser	9%	4%	2%	0%	5%	5%
Senior buyer/ Senior purchaser	2%	0%	3%	2%	3%	0%
Engineer/designer	2%	2%	4%	2%	0%	4%
Calculator	0%	0%	1:		6%	13%
Project manager	2%	15%	3%		5%	3%
Other	7%	0%	0%	4%	1%	8%
1 - 4 FTE	36%	27%	46%	58%	61%	46%
5 - 14 FTE	42%	40%	41%	26%	26%	18
15+ FTE	22%	33%	13%	17%	13%	37%

43 Q2 2024 data, unweighted

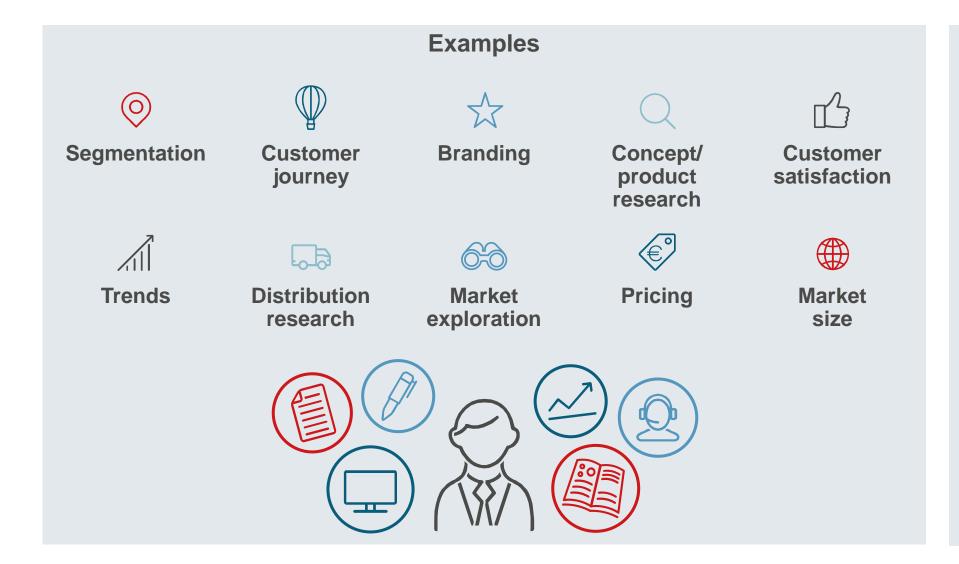
About USP







Single client research



Dedicated market research

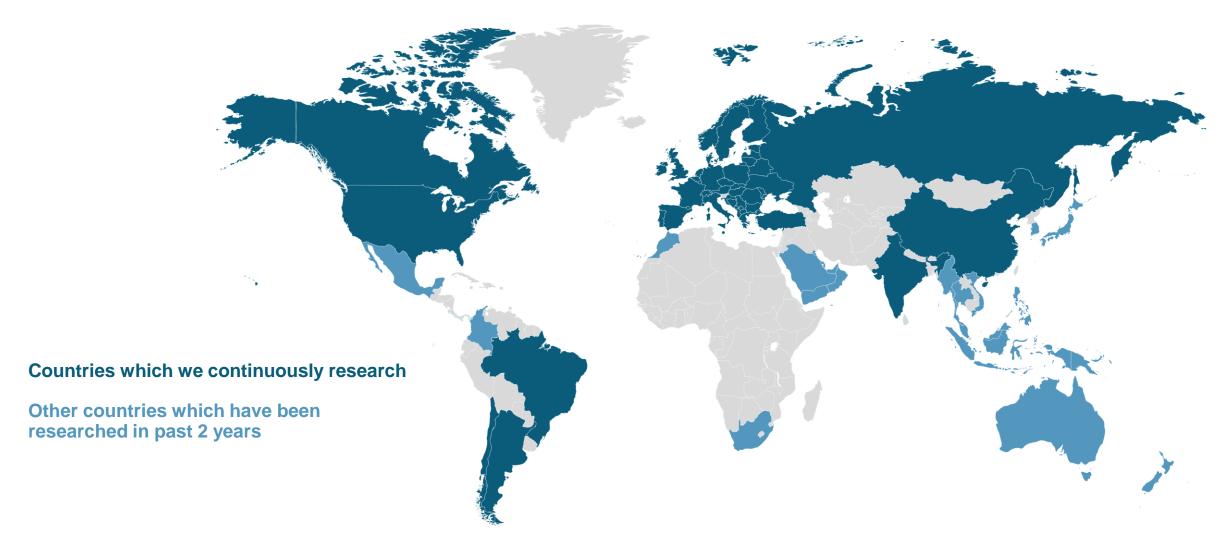
- Tailor made
- Driven by your information needs
- Advice & consultancy based on facts and over 25 years of experience in the industry
- Worldwide coverage
- B2B, B2C, qualitative and quantitive research or a combination of both
- Within our market specialism, all types of researches can be conducted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

multi-client research

	European Architectural Barometer	European Contractor Monitor	European Mechanical Installation Monitor	European Electrical Installation Monitor	European Painter Insight Monitor	European Home Improvement Monitor	European Handyman Monitor
Target group Methodology	Architects	Building contractors	HVAC installers	Electrical installers	Professional painters	Consumers	Handyman
Annual sample size	3,400 interviews	2,050 interviews	2,600 interviews	3,000 interviews	2,300 interviews	26,400 interviews	3,400 interviews
Country scope	 Germany United Kingdom France Netherlands Belgium Poland Spain Italy 	 Germany United Kingdom France Netherlands Belgium Poland Spain Italy 	GermanyUnited KingdomFranceNetherlandsBelgiumPoland	GermanyUnited KingdomFranceNetherlandsBelgiumPolandSpain	 Germany United Kingdom France Netherlands Belgium Poland Spain Italy Denmark Sweden 	 Germany United Kingdom France Netherlands Belgium Poland Spain Italy Denmark Sweden Austria 	 Germany United Kingdom France Netherlands Belgium Poland Spain Italy
Way of reporting	Quarterly	Bi-annually	Quarterly	Quarterly	Annually	Quarterly	Annually
2024 Theme topics	 Q1: Future of construction Q2: Trends in material usage Q3: DMU Q4: Smart materials and buildings 	• H1: Prefab • H2: BIM	Q1: BIMQ2: PrefabQ3: Smart and connected productsQ4: Media orientation	 Q1: Sustainability Q2: Smart and connected products Q3: Services in the installation market Q4: Prefab 	Trend trackingBrand funnelsSustainability	 Q1: Orientation; sustainability Q2: Purchase Channels; smart homes and products Q3: Branding; private labels Q4: DIY vs DIFM; plans for 2024 	 Trends in material usage Branding



Country coverage



A selection of USP Marketing Consultancy's clients

Construction	Installation	DIY	Living & Real Estate	
ASSA ABLOY STORY Oss Original Day Original	ABB © BOSCH GIRA	adeo DBI Dulux	tiwos Ulburga woonstickling bpd	
DÖRKEN VELUX OTarkett	SFA GRUNDFOS: X :hager	tesa / GROHE	volkshuisvesting	
BMI FESTOOL fischer continues of the properties	Schneider Electric Life's Good	Villeroy & Boch 1748 WIDE STATE Addressives Bostik Smart adhesives	Syntrus ochmea real estate & finance	
KNAUF DAW TRESPA	PIPELIFE MITSUBISHI ELECTRIC	KARCHER hansgrohe ★UNILIN RETAIL LANGE	CBRE Staedion to wan den Bruele vastgoed	
ROCKWOOL DSM	Panasonic. Uponor	WÄGNER KOHLER Intergamma	Oosterpoort AT OSBORNE	
R REYNAERS Jurishian PPG	VIESMANN WULF	inaxeda Allegion	Schiphol Real Estate Haag Wonen Gemeente Utrecht	
Technische Unie	EMERSON WAVIN GEBERIT	cromotogy ShurTech Brands	parteon Thuis DEGOEDEWONING	
Wienerberger SAINT-GOBAIN	VOAIKIN (Signify ROTHENBERGER	Yale UHU PPG	Leystromen Zowonen	

Marketing Consultancy

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