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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

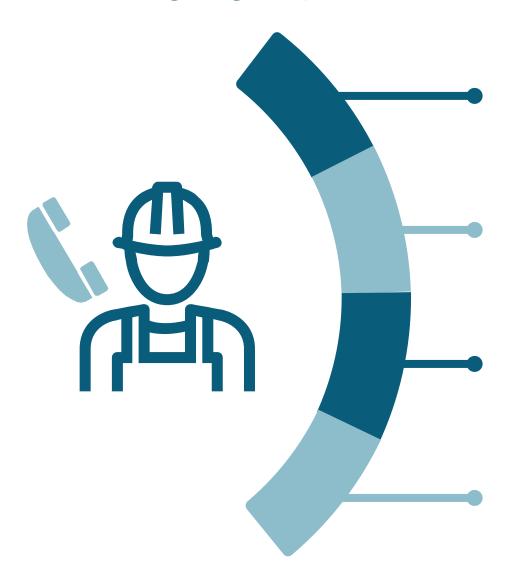
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**Dirk Hoogenboom**Research consultant

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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.

<sup>\*</sup> **Group 1**: 1-4 FTE; **Group 2**: 5-14 FTE; **Group 3**: 15+ FTE

### About the Q3 theme topic



### Surveying the Prefab topic...

Prefab is a hot topic for the installation sector and manufacturers are wondering what type of prefab products and services they need to offer. Talking about prefab, however, is very difficult, because one can always ask the question: What is prefab? And how do you define prefab when it comes to plumbing and HVAC installations?

To make sure that installers in this survey had the same things in mind when we talked about prefab, we offered them the following definition that was aligned with our clients:

"By prefab or prefabrication of the installation elements or systems we mean the process in which the separate products are combined into elements in a factory or workshop before they are transported to the construction site and processed there. The prefabrication in the installation sector can be related to any part of the water, heating, cooling and ventilation installations in a building.

When talking about prefab products, solutions, services and combinations of prefab elements, we generally mean the following:

Prefab services - design, bundling of products or cut-to-length pipes

**Prefabricated/ preassembled products** for wastewater, hot and cold water, indoor climate, pump groups, heat interface units, manifolds for underfloor heating, etc.

Prefabricated solutions, such as complete bathrooms, boiler rooms, technical shafts etc.

A combination of prefabricated elements that differs per installation type – for example, water supply and water drain, sanitary and electricity, etc.

### ...facilitates faster installation and improved project quality

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

- Installers' involvement and needs regarding prefabricated plumbing & HVAC products and solutions
- Development and adoption of prefabricated components
- Most needed prefab services;
- Installers' opinions and attitudes toward the adoption of prefab

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### Key takeaways



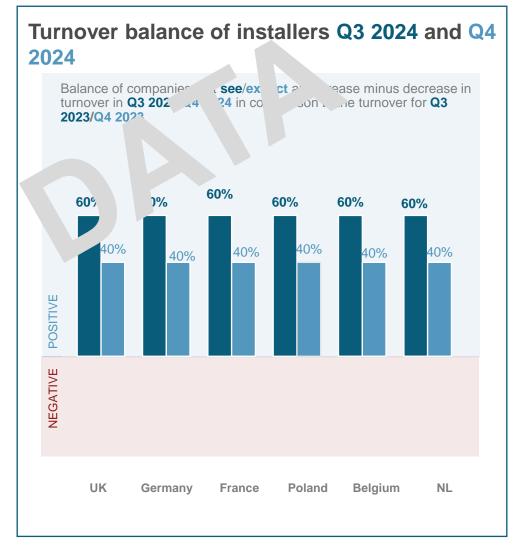
#### **Business Development**

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### Key takeaways

#### **Prefab**

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

		UK G	Sermany	Fran	'and	Belgium	Netherlands
	Sample size	125		12		80	100
Heati	ng installations	50%	50%	50%	50%	50%	50%
Hot & cold wa	ater installation	509	50%	50%	50%	50%	50%
Installation of	of sanitary wa	50%		50%	50%	50%	50%
	Heat   nps	70%	50%	50%	50%	50%	50%
	Ventila 1	0%	50%	50%	50%	50%	50%
Air	ig and coolin	50%	50%	50%	50%	50%	50%

### stallation activities

	UK	Germany	France	Poland	Belgium N	Netherlands
Sample size	125	125	125	125	80	100
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	compan	y size
	Core HVAC activities	1-4 FTE	5-14 FTE	15+ FTE
Heating installations	40%	33%	34%	33%
Hot & cold water installation	40%	33%	34%	33%
Installation of sanitary ware	40%	33%	34%	
Heat pumps	40%	33	34	33%
Ventilation	40%	, %	4%	33%
Air conditioning and cooling	40	۵%	34%	33%

		Per	compan	y size
	C ner vivities	1-4 FTE	5-14 FTE	15+ FTE
Home automation stallatic	40%	33%	34%	33%
ectrical instons	40%	33%	34%	33%
Solar 'I, solar collectors	40%	33%	34%	33%

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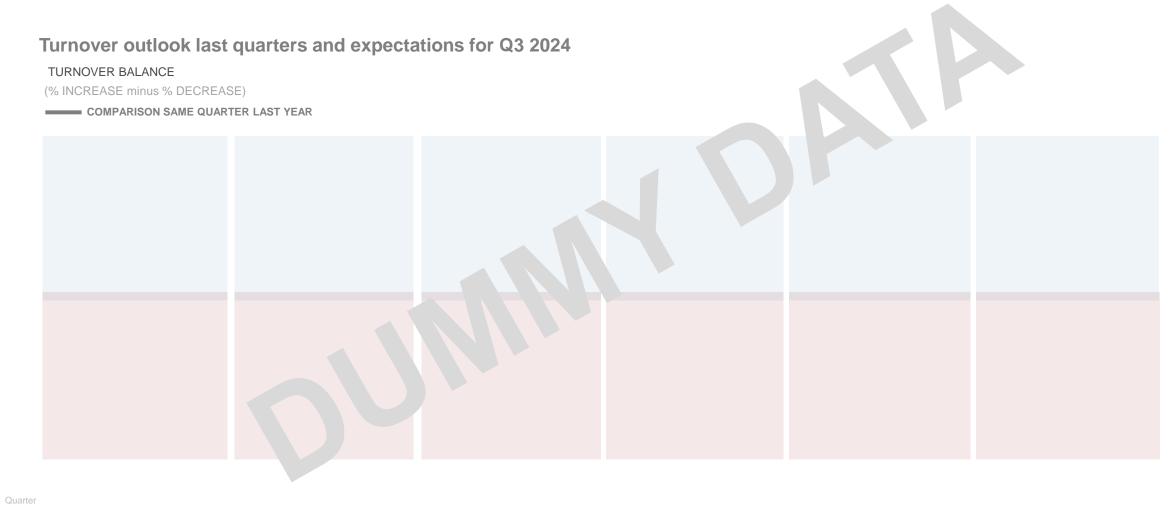
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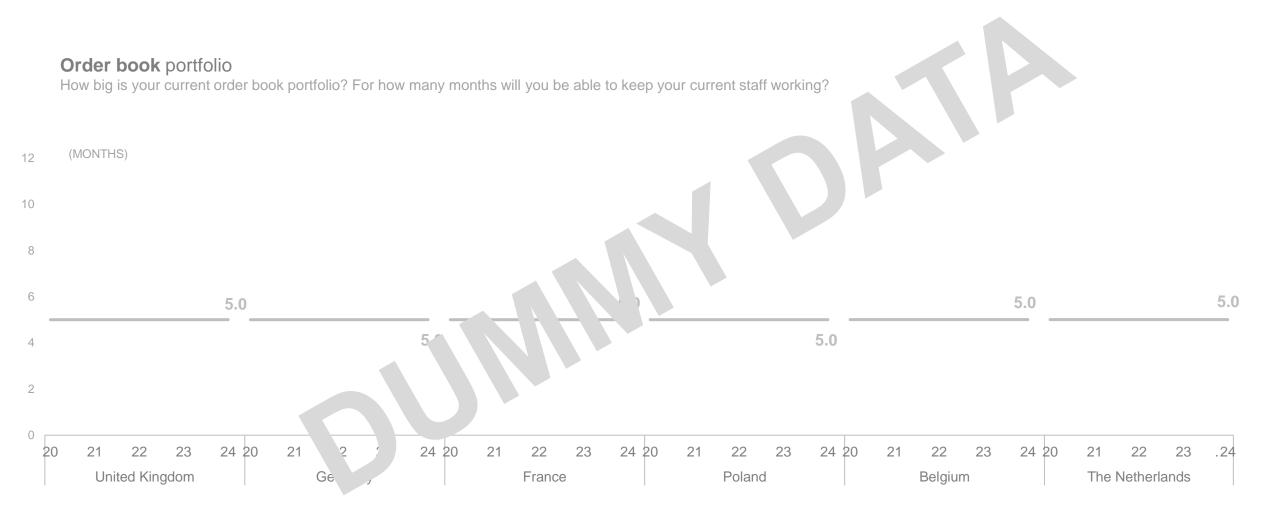




NEGATIVE POSITIVE

The United Kingdom Germany France Poland Belgium The Netherlands

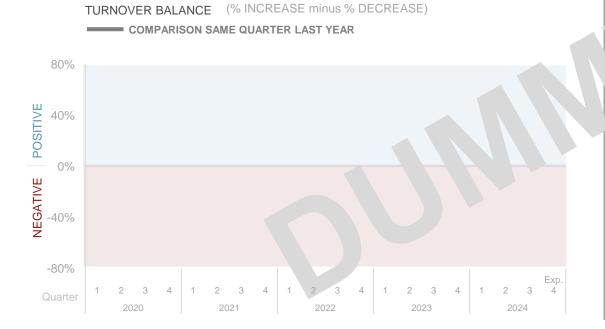


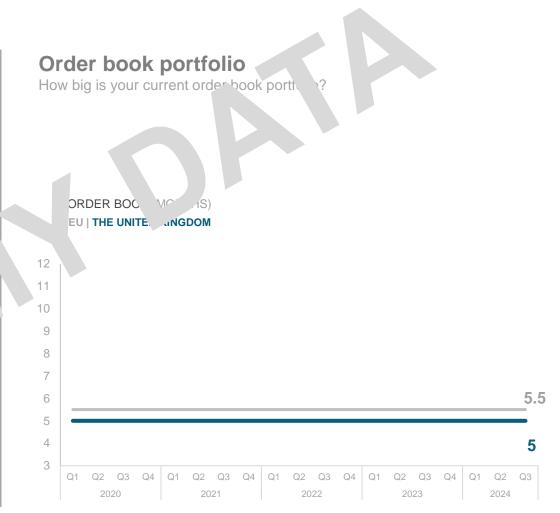




### **Turnover outlook**

If you compare your turnover of Q3-24 to Q3-23, how did your turnover develop? What are your expectations for the development in Q4-24?

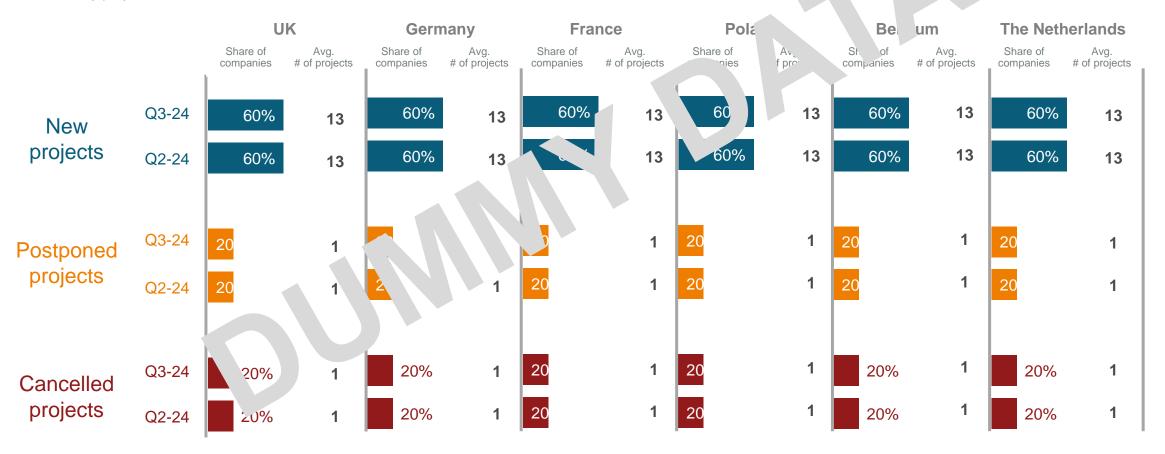






#### Number of projects in Q3 2024

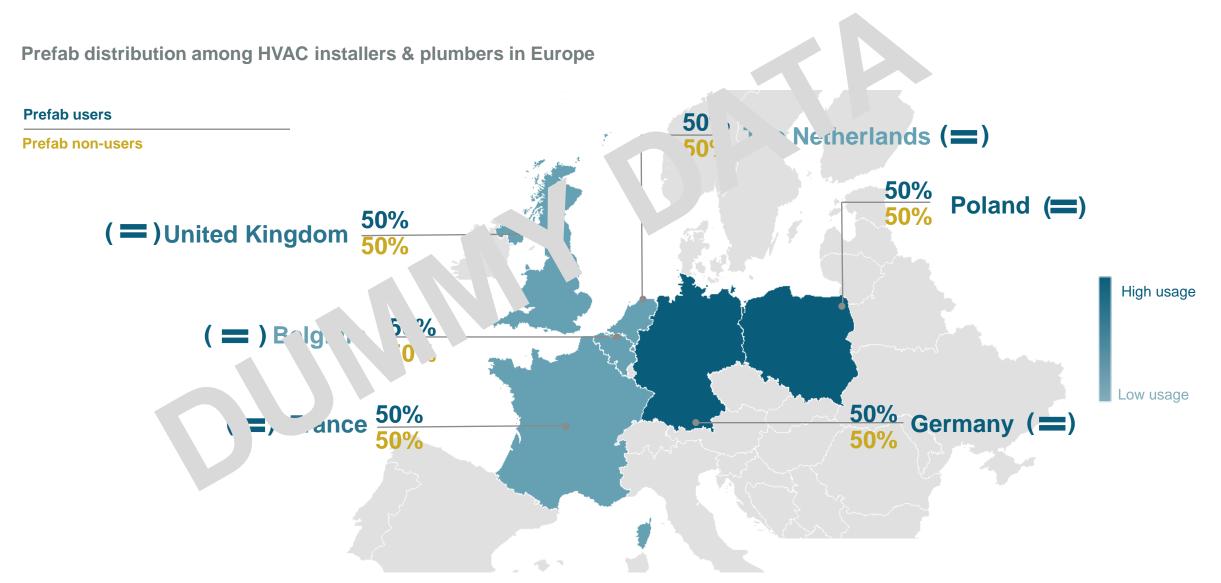
How many new projects has your company scored/ been commissioned in Q3 2024? How many projects have been post thed Q2 24? In Q3 2024, how many projects were not started and cancelled?



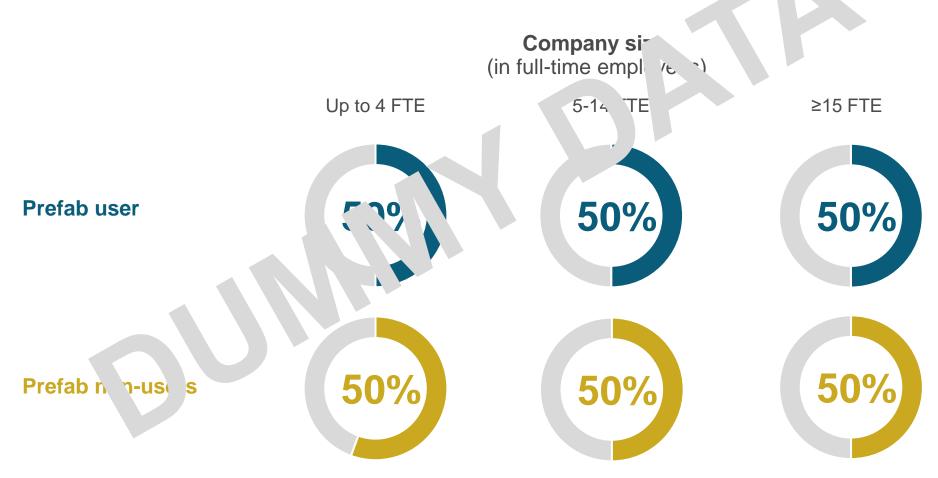
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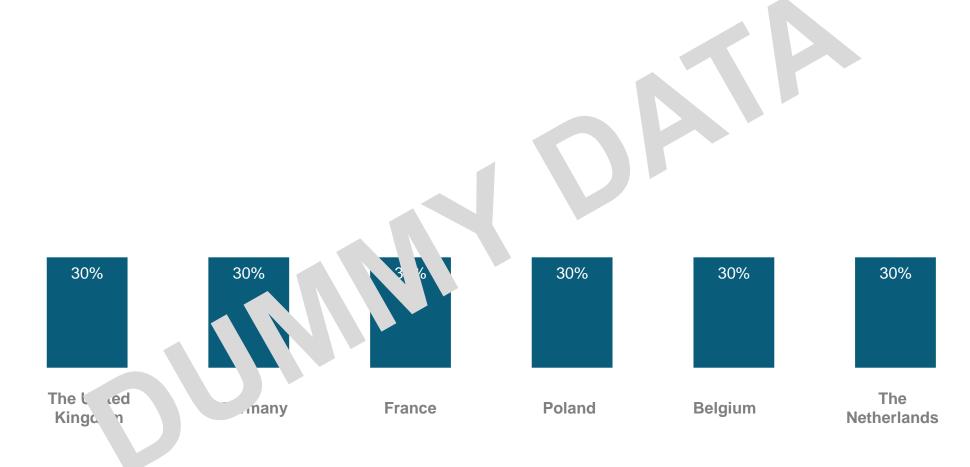








Share of companies having their own workshop or a production location

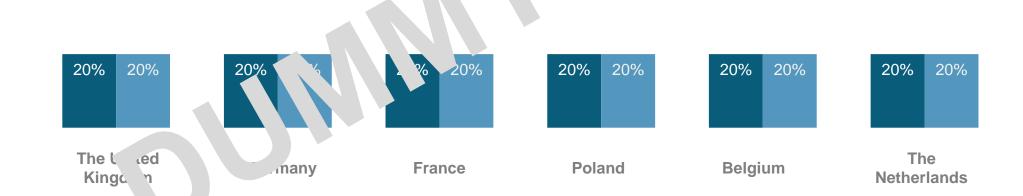




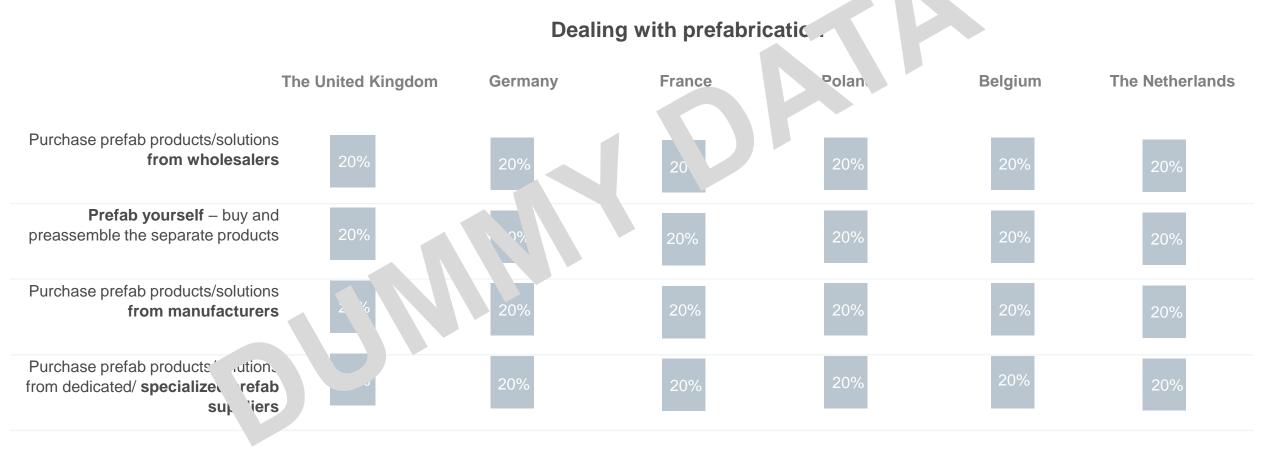
### Experience in working with presak

Share of projects with some form of prefab

Share of the prefact has lations as a part of all installation works









### Areas in which prefab products are sed

	The United Kingdom	Germany	France	Pola	Belgium	The Netherlands
Boilers and boiler rooms	30%	30%	30°′		30%	30%
Cooling and air conditioning	30%	30%	36	30%	30%	30%
Hot water installations	30%	30%	30%	30%	30%	30%
Ventilation	30%	309	30%	30%	30%	30%
Sanitary/ bathroom installations	30%	7%	30%	30%	30%	30%
Cold water installations	30%	7%	30%	30%	30%	30%
Underfloor heating	30	30%	30%	30%	30%	30%
Waste water installations	30%	30%	30%	30%	30%	30%
Radiant heating ination.	1%	30%	30%	30%	30%	30%
Electrical install tions	30%	30%	30%	30%	30%	30%
Complete bathroom, as	30%	30%	30%	30%	30%	30%
Riser shafts	30%	30%	30%	30%	30%	30%



### Types of buildings where prefab prod were on

	The United Kingdom	Germany	France	Polan	Belgium	The Netherlands
1-2 family houses / detached houses	30%	30%	30%	30%	30%	30%
Multifamily houses / apartment blocks	30%	30%	1%	30%	30%	30%
Terraced / row-houses	30%	30%	30	30%	30%	30%
Semi-detached houses	30%	3( )	30%	30%	30%	30%
Offices	30%	7	30%	30%	30%	30%
Retail buildings / warehouses	30%	30%	30%	30%	30%	30%
Schools / Education	30%	30%	30%	30%	30%	30%
Hotels / hosn:	. 10%	30%	30%	30%	30%	30%
Hospitals / Healthcare in. utions	3	30%	30%	30%	30%	30%
Nursing homes / Sheltered howing	30%	30%	30%	30%	30%	30%



	Mos	st important cr	of prefab solutions			
	The United Kingdom	Germany	France	Poland	Belgium	The Netherlands
Quality of products	30%	30%	30%	%	30%	30%
Price of offered solution	30%	30%	30%	30%	30%	30%
Well known brand	30%		30%	30%	30%	30%
Offered warranties	30%	7%	30%	30%	30%	30%



### Most interesting products, solutions and services from har fa virers The United Kingdom Germany **France** aland **Belgium** The Netherlands Prefabricated/ preassembled products for waste-water, hot and cold water etc. Prefabricated solutions, such as bathrooms, boiler rooms, technical shafts etc. A combination of prefabricated **elements** that differs per installation types Prefab services such as design, bundling of products or cut-to-len pip

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#### Distribution users and non-users of prefab



		Up to 4 FTE	5-14 FTE	≥15 FTE
<b>50%</b>	<b>Users</b>	50%	50%	50%
50% No	on-users	50%	50%	F %

**50%** of the prefab users and 10% of the non-users have their own workshop or a production location where they can prepare, precut, and preassemble installation products.

Dealing with prefabricati fabric How is your company do ling with ≥15 FTE Purchase etab L duct 34% 33% solutions from anulutur 3 /oductsر 'urchase p 30% 34% 33% olutions from wholesalers refab yourself – buy and 34% 33% preassemble the separate 30% products Purchase prefab products/ 33% solutions from dedicated/ 30% specialized prefab suppliers

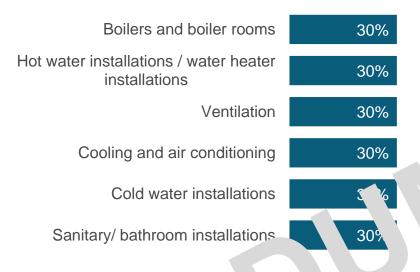
Prefab installation works are 50% of the total installation works

Base: n=xx, Asked to Prefab users



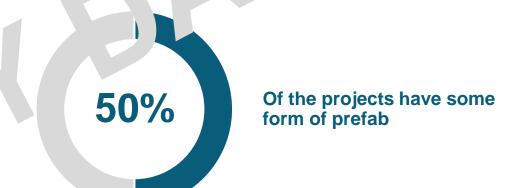
#### Top 5 areas in which prefab products are used

Can you specify the types of installations for which your prefab products are typically used?



#### Projects with prefab in the last rears

When you look at you exist from the part 2 years, what percentage of your projects containe to form the part 2 years, what percentage of your projects containe to form the part 2 years, what percentage of your projects contained to form the part 2 years, what percentage of your projects contained to form the part 2 years, what percentage of your projects contained to form the part 2 years, what percentage of your projects contained to form the part 2 years, what percentage of your projects contained to form the part 2 years, what percentage of your projects contained to form the part 2 years, what percentage of your projects contained to form the part 2 years, what percentage of your projects contained to form the part 2 years, what percentage of your projects contained to form the part 2 years, what percentage of your projects contained to form the part 2 years, what percentage of your projects contained to form the part 2 years, which is a first 2 years and 3 years 2 years



Has the share of projects that contained some kind of prefabrication or off-site installation increased, decreased or remained the same in the last 2 years?

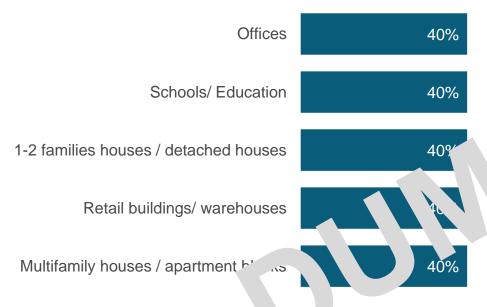
(Strongly) increased | Remained the same | (Strongly) decreased | Do not know





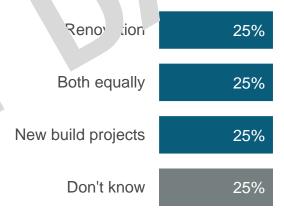
### Top 5 types of buildings where prefab products were used

In what type of buildings have you used prefab products/ solutions in the last two years?



Usage of prefation new-yild a d renovation projects

Do you use prefation, fucts in v-build projects or renovation projects mainly?



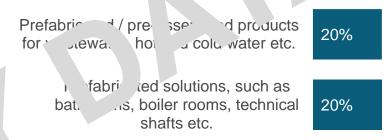


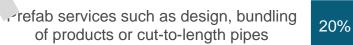
### Most important criteria when selecting manufacturer of prefab solutions (top 5)

What are for you the most important criteria when selecting a manufacturer or supplier of prefabricated solutions?

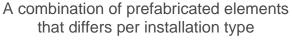










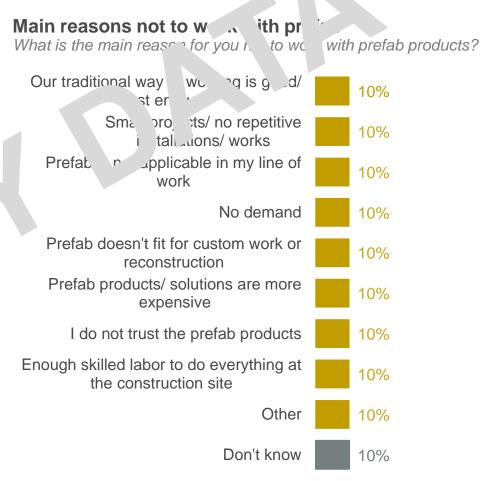




Other

20%





Base: n=xy, Asked to Prefab non-users



### Prefab users

#### Expectations about the development of prefab in the coming 3 to 5 years

What are your expectations for the development of prefabrication in plumbing and HVAC installations over the 3 to 5 years?

anifical lec se >25% 20% Significant decrease >25% 20% rate ecrease 0-25% Moderate decrease 0-25% 20% No change No change Moderate increase 0-25% 20% Moderate increase 0-25% 20% Significant increase >25% 20% Significant increase >25% 20% Don't know Don't know

Prefab non-users



### Prefab users

Prefab non-users

### Top 5 types of projects in which prefab usage is expected to grow in the future

In which sectors/ areas do you see the greatest potential for prefabrication of plumbing and HVAC installation of the sture?





Prefab non-users

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### Prefab users

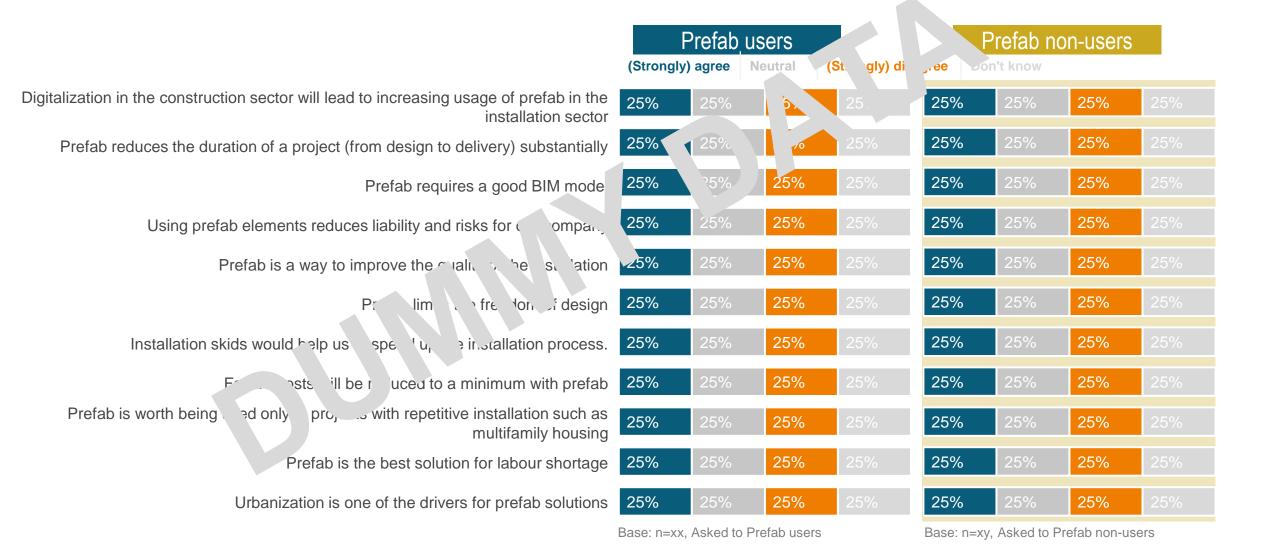
#### Top 5 services installers need from manufacturers/suppliers

What kind of support or services from manufacturers or suppliers would help you work more effectively via refab polyducis?



Base: n=xy, Prefab non-users

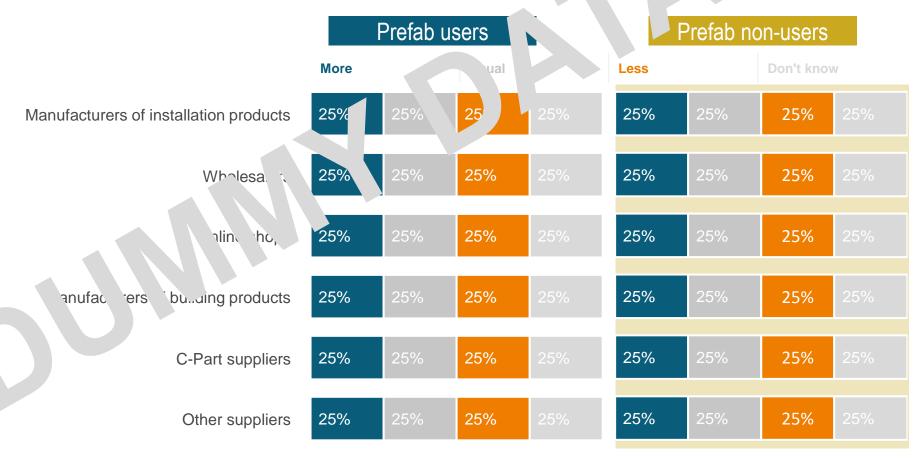






#### Development of supplier structure with broader usage of prefab

Do you expect to buy more, equal or less from each of the following suppliers as a result of prefab?



Base: n=xx, Asked to Prefab users

Base: n=xy, Asked to Prefab non-users

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### Respondents' background characteristics

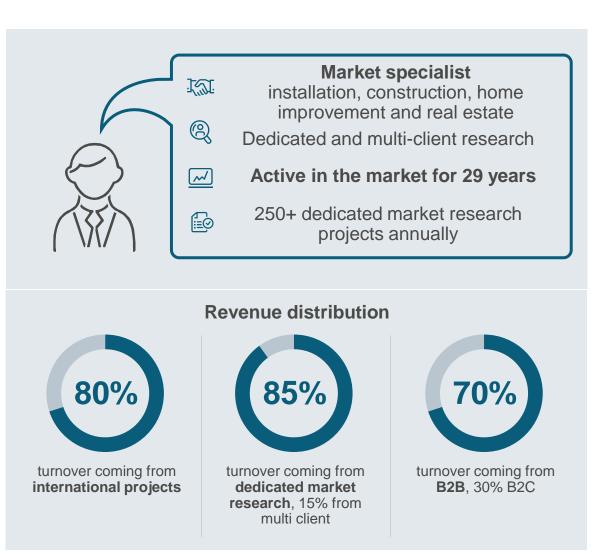
### Job title of the interviewed respondents and the company size

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	79%	59%	74%	85%	85%	82%
Plumber/ installer	2%	33%	6%	2%	3%	3%
Engineer / designer	2%	0%	4%	2%	1%	0%
Sales	2%	2%	3%	4%	2%	0%
Purchaser	3%	3%	2%	1%	1%	0%
Advisor / consultant	2%	0%	0%	1%	1%	1%
Calculator / Work Planner	1%	0%	5%	0%	2%	6%
Project manager / leader	4%	3%	0%	2%	1%	7%
Other	5%	0%	0%	3%	4%	1%
1 - 4 FTE	47%	35%	44%	58%	50%	42%
5 - 14 FTE	31%	38%	41%	23%	27%	27%
15+ FTE	22%	27%	15%	19%	23%	30%

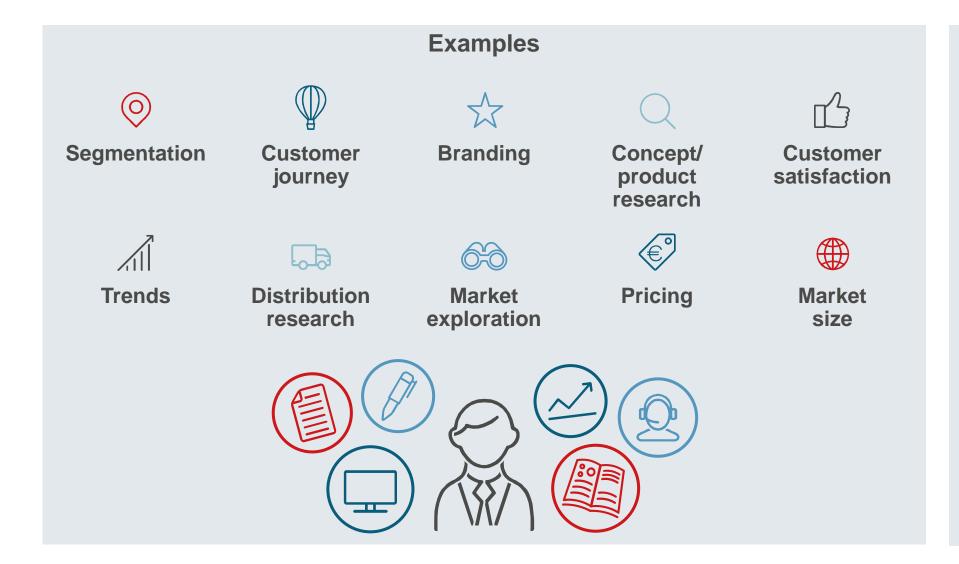
### **About USP**







### 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 <b>Architectural</b> Barometer	European <b>Contractor</b> Monitor	European Mechanical Installation Monitor	European Electrical Installation Monitor	European <b>Painter Insight</b> Monitor	European <b>Home</b> Improvement Monitor	European <b>Handyman</b> 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	<ul> <li>Germany</li> <li>United Kingdom</li> <li>France</li> <li>Netherlands</li> <li>Belgium</li> <li>Poland</li> <li>Spain</li> <li>Italy</li> </ul>	<ul> <li>Germany</li> <li>United Kingdom</li> <li>France</li> <li>Netherlands</li> <li>Belgium</li> <li>Poland</li> <li>Spain</li> <li>Italy</li> </ul>	<ul><li>Germany</li><li>United Kingdom</li><li>France</li><li>Netherlands</li><li>Belgium</li><li>Poland</li></ul>	<ul><li>Germany</li><li>United Kingdom</li><li>France</li><li>Netherlands</li><li>Belgium</li><li>Poland</li><li>Spain</li></ul>	<ul> <li>Germany</li> <li>United Kingdom</li> <li>France</li> <li>Netherlands</li> <li>Belgium</li> <li>Poland</li> <li>Spain</li> <li>Italy</li> <li>Denmark</li> <li>Sweden</li> </ul>	<ul> <li>Germany</li> <li>United Kingdom</li> <li>France</li> <li>Netherlands</li> <li>Belgium</li> <li>Poland</li> <li>Spain</li> <li>Italy</li> <li>Denmark</li> <li>Sweden</li> <li>Austria</li> </ul>	<ul> <li>Germany</li> <li>United Kingdom</li> <li>France</li> <li>Netherlands</li> <li>Belgium</li> <li>Poland</li> <li>Spain</li> <li>Italy</li> </ul>
Way of reporting	Quarterly	Bi-annually	Quarterly	Quarterly	Annually	Quarterly	Annually
2024 Theme topics	<ul> <li>Q1: Future of construction</li> <li>Q2: Trends in material usage</li> <li>Q3: DMU</li> <li>Q4: Smart materials and buildings</li> </ul>	• H1: Prefab • H2: BIM	<ul><li>Q1: BIM</li><li>Q2: Prefab</li><li>Q3: Smart and connected products</li><li>Q4: Media orientation</li></ul>	<ul> <li>Q1: Sustainability</li> <li>Q2: Smart and connected products</li> <li>Q3: Services in the installation market</li> <li>Q4: Prefab</li> </ul>	<ul><li>Trend tracking</li><li>Brand funnels</li><li>Sustainability</li></ul>	<ul> <li>Q1: Orientation; sustainability</li> <li>Q2: Purchase Channels; smart homes and products</li> <li>Q3: Branding; private labels</li> <li>Q4: DIY vs DIFM; plans for 2024</li> </ul>	<ul> <li>Trends in material usage</li> <li>Branding</li> </ul>



### Country coverage



### A selection of USP Marketing Consultancy's clients

Construction	Installation	DIY	Living & Real Estate	
ASSA ABLOY SINGLE Cost Original Cost Origina	ABB © BOSCH GIRA	adeo DBI Dulux	tiwos bpd Stadgenoot	
<b>▶DÖRKEN VELUX ③Tarkett</b>	SFA GRUNDFOS:X :hager	tesa / GROHE	volkshuisvesting	
BMI FESTOOL fischer (annountive solutions)	Schneider Schneider Ufe's Good	Villeroy & Boch 1748  WTD For A Growing World:  We smart adhesives	Syntrus ochmoo real estate & finance	
<b>KNAUF</b> DAW TRESPA	PIPELIFE MITSUBISHI ELECTRIC	KARCHER hansgrohe   **SUNILIN REPORT OF THE PROPERTY OF THE PR	CBRE Staedion to wan den Bruele vastgoed	
ROCKWOOL DSM	Panasonic. Uponor	<b>WAGNER</b> KOHLER Intergamma	Oosterpoort AT OSBORNE Wayland Real Estate	
R REYNAERS Storichis	VIESMANN WULF	inaxeda DIY Group ALLEGION	Schiphol Real Estate  Haag Wonen Gemeente Utrecht	
Technische Unie	EMERSON. WAVIN GEBERIT	cromology ShurTechi Brands	parteon begoedewoning	
Wienerberger SAINT-GOBAIN	<b>VOAIKIN</b> Signify ROTHENBERGER	Yale UHU PPG	Leystromen Zowonen	

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