Survey of Product Development Expertise in Irish SMEs

1. Purpose

This questionnaire is part of a Dublin City University (DCU) study into the level of product development expertise within Irish SMEs and about gaining an understanding of how Ireland is progressing towards becoming a knowledge based economy.

Due to the relatively limited number of potential respondents, a high response rate is imperative; therefore your responses are extremely valuable.

Please answer all the questions below in full. Your responses are completely confidential and the findings of the study will be made available to all respondents who request them (this will inform you of best practice within your industry).

Please feel free to make as many comments as you like to clarify your answers and provide feedback.

2. Instructions

Please use the 'Prev' and 'Next' button at the bottom of the page to navigate the survey. If you use the browser 'Back' button information will be lost.

Please try and complete the survey in one sitting (it will take 10 to 15 minuets).

If you need to stop and save please go to browser 'Favorites' and then 'Add Favourites'. This will then allow you to continue where you left off (after you press the 'Next' button).

3. Demographic Information

General Informat	ion
Name:	
Company:	
Position:	

4. Section I Organisational Structures

1.0 To what extent can it be said of your company that

	Not at All	Very Little Extent	Some Extent	Great Extent	Very Great Extent
1.1 Cross functional teams are used	j n	j to	j a	j m	ja
1.2 Customers are invited to your company to discuss strengths/weaknesses of your products with a cross-section of employees	j n	j'n	j m	ĴΩ	j n
1.3 Customer feedback on provisional designs are sought	jn	j to	j m	j ra	j ta
1.4 Employees evaluate competitor products strengths and weaknesses	Jn	j m	J m	j m	j n

2.0 To what extent does each person or functional department rely on each other i.e. the flow of work, resources and information

jn Not at All	jn Very Little Extent	j∕∩ Some Extent	j∩ Great Extent	yn Very Great Extent
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Comment:					
				-	
Costion II Change Management	_	_			
Section II Change Management					
3.0 To what extent have you encountered to organisational change	he follo	wing in 1	he conte	xt of	
	Not at All	Very Little Extent	Some Extent	Great Extent	Very Gr Exter
3.1 Lack of communication	jn	j ta	jn	j m	jn
3.2 Resistance to change	jn	j n	j m	j m	j m
3.3 Fear of change	jn	j n	ja	ja	jn
3.4 Lack of commitment from all levels	jn	j'n	jn	j m	jn
3.5 Lack of retraining	j n	j m	jn	j m	jn
j_{Ω} Not at All j_{Ω} Very Little Extent j_{Ω} Some Ex	tent	jn Great €	Extent	jn Very Gr	eat Exter
jn Not at All jn Very Little Extent jn Some Ex	tent	jn Great €	Extent	j∩ Very Gr	eat Exter
Are you involved in your company's strateg	y develo	opment?			
jn Yes	jn No				
Comment:					
				<u> </u>	
				<u> </u>	
Section III Strategy				×	_
Section III Strategy	Not at All	Very Little Extent	Some Extent	Great Extent	,
Section III Strategy 5.0 To what extent do you	Not at All		Some Extent	Great Extent	,
5.0 To what extent do you 5.1 Carry out strategic planning 5.2 Form a New Product Strategy (NPS)		Extent			Exter
Section III Strategy 5.0 To what extent do you 5.1 Carry out strategic planning	j a	Extent	j a	ja	Exter
5.0 To what extent do you 5.1 Carry out strategic planning 5.2 Form a New Product Strategy (NPS) 5.3 Link your business strategy with your New Product Strategy	ja ja	Extent ja ja	jn jn	jn jn	Exter ja jn
5.0 To what extent do you 5.1 Carry out strategic planning 5.2 Form a New Product Strategy (NPS) 5.3 Link your business strategy with your New Product Strategy (NPS) 5.4 Utilize knowledge from partnerships with customers, suppliers,	ja ja ja	Extent ja ja ja	ja jn ja	ja jn ja	Exter ja ja ja
5.0 To what extent do you 5.1 Carry out strategic planning 5.2 Form a New Product Strategy (NPS) 5.3 Link your business strategy with your New Product Strategy (NPS) 5.4 Utilize knowledge from partnerships with customers, suppliers, competitors and/or universities 5.5 Develop related products on a common structure (platform) 5.6 Form a mission statement	ja ja ja	Extent ja jn ja ja	jn jn jn jn	ja jn ja jn	Exter ja ja ja ja
5.0 To what extent do you 5.1 Carry out strategic planning 5.2 Form a New Product Strategy (NPS) 5.3 Link your business strategy with your New Product Strategy (NPS) 5.4 Utilize knowledge from partnerships with customers, suppliers, competitors and/or universities 5.5 Develop related products on a common structure (platform)	ja ja ja ja	Extent ja jn ja jn ja jn	ja jn ja jn ja	jn jn jn jn jn	jn ja jn jn

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6.0 To what extent do you compare extern opportunities with your internal business s			ology or	product	
jn Not at All jn Very Little Extent jn Some E	Extent	jn Great E	xtent	jn Very Gre	eat Extent
Comment:					
				<u> </u>	
. Section III Strategy					
7.0 To what extent do you consider the followed	lowing b	usiness t	hrusts (d	directions	s) when
	Not at All	Very Little Extent	Some Extent	Great Extent	Very Great Extent
7.1 Technology driven strategies i.e. strongly R&D inclined, advanced technologies resulting in advanced products	j sa	j o	jn	jm	jm
7.2 Marketing driven strategies i.e. new product development is based on market needs and wants	j 'n	j m	j m	j n	j 'n
7.3 A focused strategy i.e. develop similar products based on related markets, technologies and manufacturing methods	j m	jn	ja	j n	j n
7.4 Offensive not defensive strategies i.e. aggressive product idea search, aimed at growth and gaining market share	j n	j m	J m	j m	j m
8.0 To what extent are your projects					
	Not at All	Very Little Extent	Some Extent	Great Extent	Very Great Extent
8.1 Balanced e.g. long term/short term, high risk/low risk, by markets, technologies, products	jm	jn	jn	ja	ja
8.2 Aligned to your business strategy in terms of market, product or technology	j'n	jn	J n	ј'n	j n
8.3 Prioritised and selected based on potential commercial value	j m	ja	j n	j n	j o
9.0 To what extent do you map future tech technology requirements	nnology a	against c	urrent cı	ustomer a	ınd
j_{\cap} Not at All j_{\cap} Very Little Extent j_{\cap} Some E	Extent	j⊓ Great E	xtent	jn Very Gre	eat Extent
10.0 To what extent do these describe you	ır busine	ss strate	gy (alloc	ate 100 p	oints
between answers)					
10.1 A differentiated strategy which attacks high growth and high pweak competition	ootential mark	cets with			
10.2 Low R&D spending with "me-too" new products - new products your core business and markets	s are develope	ed in line with			
10.3 An innovative technology driven strategy					
10.4 Develop "me-too" products with low technology and low risk, becompany technology and manufacturing capabilities	oad fit with cu	rrent			
10.5 High levels of unfocused R&D spending, strategy attacks new technologies unsuccessfully	markets and	new			

rvey of Product Development Exp		111 11131			
Comment:					
				_	
Section IV Backend Marketing and Br	anding				
11.0 To what extent would you say it was	true of y	our orga	nisation	that	
J J	Not at All	Very Little Extent	Some Exten	t Great Extent	Very Gre Exten
11.1 Marketing is very important to company success	ja	ja	ja	jn	jn
11.2 There is an emphasis on price rather than other product attributes	jn	j m	jn	j n	ĴΩ
11.3 You have a guaranteed business and do not need to carry out marketing to ensure survival	j n	j'n	j n	jα	ja
11.4 You have a heavy reliance on one customer	j m	j m	j n	J m	jn
11.5 Networking is very important to company success	j n	ja	ja	jn	j n
12.0 To what extent do you					
	Not at All	Very Little Extent	Some Exten	t Great Extent	Very Gr Exten
12.1 Consider Product, Price, Promotion and Placement (marketing mix)	ja	j'n	ja	jn	jn
12.2 Consider branding in your marketing mix	j m	j m	jn	j m	J'n
12.3 Manage ongoing changes in the marketing mix	Jn	j ta	Jn	j m	jn
Section V Innovation and Leadership				▼	
	n a nega	tive liaht	if an err	ror is mad	le
13.0 To what extent is an employee seen i	_	tive light		ror is mac	
13.0 To what extent is an employee seen i	Extent	jn Great E	Extent	jn Very Gro	eat Exten
13.0 To what extent is an employee seen i	Extent s manage	jn Great E	extent aff are w	jn Very Gro	eat Exten
 13.0 To what extent is an employee seen in the second of the se	Extent s manage nager ass	jn Great E	aff are w	jn Very Gro	eat Exten ompa durinç
 13.0 To what extent is an employee seen in the second of the se	Extent s manage nager ass	jn Great E ment sta ume the	aff are w	jn Very Gro ith your c acilitator	eat Extent ompai durinç
 13.0 To what extent is an employee seen in the second of the se	Extent s manage nager ass	jn Great E ment sta ume the	aff are w	jn Very Gro ith your c acilitator	eat Exteni ompai durinç

				<u> </u>	
Section VI Tools and Methodologies					
16.0 To what extent can it be said of your	company	that			
	Not at All	Very Little Extent	Some Extent	Great Extent	Very Gr Exter
16.1 Based on customer requirements the critical to quality (CTQ) requirements are translated into functional and critical to process (CTP) requirements	j n	ja	j α	j n	j o
16.2 Based on product attributes the level of customer satisfaction is understood	j m	јn	j m	j m	j n
16.3 Customer usage of the new product is identified and possible usage predicted	j n	ja	ja	j n	j n
16.4 Based upon customer requirements and usage information, spoken and unspoken demands are identified	j m	jn	jm	j m	j m
16.5 Sets of requirements are organised by a team to aid understanding	j m	ja	ja	j sa	jn
16.6 The possible modes of failure of a product or process, and the likely consequences of such failure are identified	j'n	jn	jn	j n	jn
16.7 Reduction of concepts is conducted by systematically					
	j m	jn	j o	j ta	j tn
examining each option					Jo
examining each option				ies	Very G
examining each option	ng Tools	and Me	thodologi	ies	Very Gr
examining each option 17.0 To what extent do you use the followi 17.1 Quality Function Deployment (QFD)	ng Tools	and Me Very Little Extent	thodologi Some Extent	ies Great Extent	Very Gi Exter
examining each option 17.0 To what extent do you use the followi 17.1 Quality Function Deployment (QFD) 17.2 Kano Model	ng Tools Not at All	and Me Very Little Extent	thodologi Some Extent	Great Extent	Very Gi Exter
examining each option 17.0 To what extent do you use the followi 17.1 Quality Function Deployment (QFD) 17.2 Kano Model 17.3 Voice of the Customer Tables	ng Tools Not at All j'n j'n	and Me Very Little Extent jo	thodologi Some Extent ja ja	ies Great Extent ja ja	Very Gi Exter ja ja
examining each option 17.0 To what extent do you use the following statement (QFD) 17.1 Quality Function Deployment (QFD) 17.2 Kano Model 17.3 Voice of the Customer Tables 17.4 Affinity Diagram	ng Tools Not at All ja ja	very Little Extent ja jn	thodologi Some Extent ja ja	ies Great Extent ja ja	Very Gr Exter ja ja
17.0 To what extent do you use the following the following that extent do you use the following the following that the following the following that the following the following the following that the following the f	ng Tools Not at All ja jm ja jm	and Me Very Little Extent ja ja ja	thodologi Some Extent ja ja ja	ies Great Extent ja ja ja ja	Very Gr Exter ja ja ja
17.0 To what extent do you use the following the following that extent do you use the following the following that the following the following that the following that the following the following that the following the following that the following th	ng Tools Not at All jn jn jn jn jn jn	and Me Very Little Extent jn jn jn	thodologi Some Extent ja ja ja ja	ies Great Extent ja ja ja ja ja	Very Gr Exter ja ja ja ja
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17.0 To what extent do you use the following the following that extent do you use the following the following that the following the following that the following that the following that the following the following that the following the following that the following the followi	ng Tools Not at All ja jm ja jm jm jm jm jm jm jm	and Me Very Little Extent ja ja ja ja ja ja ja	thodologi Some Extent ja ja ja ja ja	ies Great Extent ja jm ja jn jn jn jn jn jn	Very Gr Exter ja ja ja ja ja ja
17.0 To what extent do you use the following the following that extent do you use the following that the following the following that the following the following that the following that the following that the following the followi	ng Tools Not at All jn jn jn jn jn jn jn jn jn	and Me Very Little Extent jn jn jn jn jn jn jn jn	thodologi Some Extent ja ja ja ja ja ja	ies Great Extent jo jo jo jo jo jo jo jo	Very Gr Exter ja ja ja ja ja ja ja
17.0 To what extent do you use the following the following that extent do you use the following the following that the following the following that the following that the following that the following that the following the following that the following that the following the following that the following t	ng Tools Not at All jn jn jn jn jn jn jn jn jn	very Little Extent jo jo jo jo jo jo jo jo jo j	thodologi Some Extent ja ja ja ja ja ja	ies Great Extent ja	Very Gr Exter ja ja ja ja ja ja
17.0 To what extent do you use the following the following that extent do you use the following that the following the following that the following the following the following that the following that the following the following that the following the f	ng Tools Not at All ja jm jm jm jm jm jm jm jm jm	and Me Very Little Extent jo jo jo jo jo jo jo jo jo j	thodologi Some Extent ja	ies Great Extent ja jn	Very Gr Exter ja ja ja ja ja ja ja
17.0 To what extent do you use the following the following that extent do you use the following that the following the following that the following the following that the following the followi	ng Tools Not at All jn jn jn jn jn jn jn jn jn	and Me Very Little Extent jo	thodologi Some Extent ja	ies Great Extent jo	Very Gire Exter jan
17.0 To what extent do you use the following the following state of	ng Tools Not at All ja ja ja ja ja ja ja ja ja	and Me Very Little Extent jo jo jo jo jo jo jo jo jo j	thodologi Some Extent ja	ies Great Extent ja	Very Gr Exter ja ja ja ja ja ja ja ja

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11. Section VI Tools and Methodologies

18.0 To what extent can it be said of your company that

	Not at All	Very Little Extent	Some Extent	Great Extent	Very Great Extent
18.1 Potential concept 'combinations' are developed and refined to find the best solution	ja	jn	jo	ja	j n
18.2 The designer envisages the ideal solution to a problem and uses it as a goal	jn	j m	jn	j m	j n
18.3 Contradictions (increased strength results in increased weight) are designed out	j'n	j n	jα	j ta	j n
18.4 Sustainable Product and/or Service Development (SPSD) is carried out by balancing economic, environmental and social aspects	j'n	j m	j n	j m	j m
18.5 You are more likely to 'control' noise factors than use 'experiments' to design them out e.g. design a hermetically sealed unit to control humidity	j'n	ja	jα	j o	j'n
18.6 Industrial design is used	j m	j m	j m	j m	j m
18.7 A 'simple model' is used that captures the design concept such that specific control, noise and signal parameters can be changed	j'n	j n	jα	j a	jα

Comment:

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▼	

12. Section VII Technology/Technology Development

19.0 To what extent can it be said of your company that

	Not at All	Very Little Extent	Some Extent	Great Extent	Very Great Extent
19.1 Idea generation (ideation) is carried out using tools and methodologies	j o	jα	ja	ja	j a
19.2 Technology is developed offline and merged with new products	Ĵ'n	Jn	jn	j n	j n
19.3 Computer Aided Engineering is used	ja	jn	jn	j n	j a
19.4 Technology is developed within the Product Development Process	jn	jn	Jm	j'n	j m
19.5 Computer Aided Design (CAD) systems are used	j to	jn	jn	j ta	j a
19.6 IGES files are read into a Computer Aided Manufacturing (CAM) system and used to generate G/M Codes	jn	jn	Jm	j'n	j m
19.7 Netmeeting or WebEx are used	ja	jn	jn	j ta	j a
19.8 STEP AP214 (containing a 3D model) is used for CAD/CAM integration	jn	jn	Jm	j'n	j m
19.9 Indirect Rapid tooling is used	j to	jn	jn	j n	j to
19.10 Direct Rapid tooling is used	j m	j m	j m	j m	j m
19.11 Rapid Prototyping is used	j to	ja	ja	j n	j m
19.12 Reverse Engineering is used	j n	j'n	j n	j m	j m
19.13 Computer Aided Process Planning (CAPP) is used	jα	ja	ja	j n	j m

21.1 Patents 21.2 Secrecy 21.3 Lead time i.e. Fast Time To Market 22.0 To what extent can it be said of your company that 22.1 Employees sign agreements such that the rights of their inventions remain within the company 22.2 Employees are trained on company specific methods of intellectual property protection 22.3 Employee notebooks and timesheets are used for project diligence e.g. date of a patentable invention 23.0 To what extent do you Not at All Very Little Extent Some Extent Great Extent Very Great Extent Extent Some Extent Great Extent Very Little	rvey of Product Development Exp					
21.0 To what extent do you use the following methods of Intellectual Property Protection (IPP) Not at All Very Little Extent Some Extent Great Extent Very Great Statent Very Great Statent Very Little Some Extent Great Extent Very Great Statent Very Little Some Extent Great Extent Very Great Statent Very Little Some Extent Great Extent Very Great Statent Very Little Some Extent Great Extent Very Great Statent Very Little Some Extent Great Extent Very Great Statent Very Little Some Extent Great Extent Very Great Statent Very Little Some Extent Great Extent Very Great Statent Very Great Very Great Statent Very Great Statent Very Great V		ate 100 _l	ooints be	etween ai	nswers)	
21.0 To what extent do you use the following methods of Intellectual Property Protection (IPP) Not at All Very Little Some Extent Great Extent Very Great Extent Some Extent Great Extent Very Great Some Extent Great Extent Very Gr						
Section VIII Intellectual Property 21.0 To what extent do you use the following methods of Intellectual Property Protection (IPP) Not at All Very Little Extent Some Extent Great Extent Very Great Extent Property	Comment:					
21.0 To what extent do you use the following methods of Intellectual Property Protection (IPP) Not at All Very Little Extent Some Extent Great Extent Very Great]		
Protection (IPP) Not at All Very Little Some Extent Great Extent Very Great Extent Very Great Extent Very Great Very Gre	Section VIII Intellectual Property					
21.1 Patents 21.2 Secrecy 3	21.0 To what extent do you use the following	ng meth	ods of Ir	ntellectua	I Propert	:y
21.1 Patents 21.2 Secrecy 3 jn jn jn jn jn jn jn 21.3 Lead time i.e. Fast Time To Market 3 jn jn jn jn jn jn 22.0 To what extent can it be said of your company that Not at All Very Little Extent Not at All Jin	Protection (IPP)	Not at All	3	Some Extent	Great Extent	Very Grea
22.0 To what extent can it be said of your company that Not at All Very Little Extent Some Extent Great Extent Very Great Extent Very Great Extent Very Great Some Som	21.1 Patents	j a		jα	j n	
22.0 To what extent can it be said of your company that Not at All Very Little Extent Some Extent Great Extent Very Great Extent Inventions remain within the company jn	21.2 Secrecy	j'n	j n	<u>j</u> m	jn	j m
Not at All Very Little Extent Some Extent Great Extent Very Great Extent inventions remain within the company 22.2 Employees are trained on company specific methods of intellectual property protection 22.3 Employee notebooks and timesheets are used for project diligence e.g. date of a patentable invention 22.4 Confidential agreements are signed with outsiders Not at All Very Little Extent Not at All Very Little Extent 23.1 Have an intellectual property strategy 23.2 Use an intellectual property portfolio Comment:	21.3 Lead time i.e. Fast Time To Market	jn	jn	jta	jn	ja
Not at All Very Little Extent Some Extent Great Extent Very Great Extent inventions remain within the company 22.2 Employees are trained on company specific methods of intellectual property protection 22.3 Employee notebooks and timesheets are used for project diligence e.g. date of a patentable invention 22.4 Confidential agreements are signed with outsiders jn 23.0 To what extent do you Not at All Very Little Extent Some Extent Great Extent Very Great Extent Extent Very Great Extent Some Extent Great Extent Very Great Extent Some Extent Great Extent Very Great Extent Some Extent Some Extent Great Extent Some Extent Great Extent Some Extent Some Extent Great Extent Some Extent Great Extent Some Extent Some Extent Great Extent Some Extent Great Extent Some Extent Some Extent Great Extent Some Extent	22.0 To what extent can it be said of your o	company	/ that			
22.1 Employees sign agreements such that the rights of their inventions remain within the company 22.2 Employees are trained on company specific methods of intellectual property protection 22.3 Employee notebooks and timesheets are used for project diligence e.g. date of a patentable invention 22.4 Confidential agreements are signed with outsiders Mot at All Very Little Extent 23.1 Have an intellectual property strategy 23.2 Use an intellectual property portfolio Comment:			Very Little	Some Extent	Great Extent	Very Grea
intellectual property protection 22.3 Employee notebooks and timesheets are used for project diligence e.g. date of a patentable invention 22.4 Confidential agreements are signed with outsiders Not at All Very Little Some Extent Great Extent Very Great Extent		J∕n		j'n	j n	
diligence e.g. date of a patentable invention 22.4 Confidential agreements are signed with outsiders 23.0 To what extent do you Not at All Very Little Extent Some Extent Great Extent Very Great Extent Some Extent Great		j Ώ	j Ω	jn	j Ω	j m
23.0 To what extent do you Not at All Very Little Extent Some Extent Great Extent Very Great Extent Some Extent Great Ex	, ,	jn	jn	ja	jn	jn
Not at All Very Little Extent Some Extent Great Extent Very Great Extent 23.1 Have an intellectual property strategy jn	22.4 Confidential agreements are signed with outsiders	Jm	jn	j n	j m	j m
Not at All Extent Some Extent Great Extent Extert 23.1 Have an intellectual property strategy jn	23.0 To what extent do you					
23.2 Use an intellectual property portfolio jn jn jn jn jn jn Comment:		Not at All	-	Some Extent	Great Extent	Very Grea
Comment:	23.1 Have an intellectual property strategy	jn	jn	jn	jn	jn
	23.2 Use an intellectual property portfolio	j'n	jn	jn	jn	j n
Section IX Product Development Process Structure	Comment:					
Section IX Product Development Process Structure						
	Section IX Product Development Product	cess St	ructure			

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24.0 To what extent do the following characteristics describe your development process

	Not at All	Very Little Extent	Some Extent	Great Extent	Very Great Extent
24.1 Each phase stops at a functional department and then moves to the next department when finished	j n	ja	ja	j m	j m
24.2 Design-build-test cycles are used (iteration)	j m	j m	j m	j m	j m
24.3 A budget or schedule limit is set - prototype iterations occur until it is reached	j n	ja	J∕n	j n	j n
24.4 Live knowledge (data) from actual prototypes is used for decision making	jn	jm	jn	j m	j n
24.5 Risky solutions are placed in a knowledge base for future projects	jm	ja	ja	j ta	j ta
24.6 'Multiple' sets of concepts are developed against broad specifications, systematically eliminating or combining to tighter specifications	j m	jn	j m	j m	j n
24.7 The developer always has at least one working prototype when milestones are reached	j'n	jm	j'n	j ta	j n
24.8 Design reviews are hands on i.e. technical managers reviewing technical results (not the amount of tasks completed)	j'n	j n	jn	j n	j n
24.9 Design and manufacturing issues are considered at the beginning of the product development process	ja	jn	ja	j m	j ta
24.10 Multiple design alternatives are evaluated with simulation software rather than actual prototypes	j m	Jn	Jm	j m	j m
24.11 Milestones are set throughout the development process	j a	j a	j a	j to	j a
24.12 Products and processes are designed in parallel	j m	j m	j m	j m	j m
24.13 Lead times are reduced by speeding up the product development process	j n	jn	ja	j ta	jn

25.0 To what extent do you use the Stage Gate process

j., j., j., j., j., j.,	jn Not at All	jn Very Little Extent	jn Some Extent	∫n Great Extent	jn Very Great Extent
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26.0 Which of these best describes your product development environment (pick one)

 j_{Ω} 26.1 The basis of the engineering environment is the structure of the operational activities: procedures, control, compliance, related training.

jn 26.2 The basis of the engineering environment is the knowledge of individual workers: understanding of needs, information availability, responsibility, team interaction.

Comment:

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15. Section X Culture

Survey of Pr	roduct Develo	pment Ex	pertise in II	rish SMEs	
27.0 What i	s your company's	quality mana	agement envir	onment (select	all that apply)
€ 27.1 ISO	27.2 Six Sigma	€ 27.3 Lean	€ 27.4 TQM	€ 27.5 Hybrid	€ 27.6 Other
Other (please spe	ecify)				
Comment:					
				▼	
16. Section X	l Performance				
	or some approximate r e answer all that you		lated to your compa	any and product dev	velopment
28.0 Total r	number of patents	s held			
	ot Generation: Nun the last year	umber of new	product ideas	, product enha	ncement ideas
30.0 Now m	nany patent applic	cations have y	you filed in the	last year	
	er of design chang cant Design Changes	ges in last yea	ar resulting fro	m customer co	mplaints
32.0 Percer	ntage projects de	layed/cancell	led due to lack	of funding	
33.0 Percer	ntage projects de	layed/cancel	led due to lack	of human resc	ources

urvey of Product Development Exp	bertise in Irish SMEs		
35.0 During the past three years your mar	ket-share in your industry		
jn Has reduced significantly			
jn Has reduced by a small amount			
j_{Ω} Has remained the same			
j_Ω Has increased by a small amount			
jn Has increased significantly			
36.0 Percentage sales from new products	in the last three years has		
j_{Ω} Been considerably below expectations			
j∩ Been below expectations			
jn Met expectations			
jn Exceeded expectations			
jn Greatly exceeded expectations			
37.0 Indicate your company's overall performance competitors (with similar sales volumes):			
jn 0 (LOW) jn 1 jn 2 jn 3	jn 4 jn 5 jn 6 (HIGH)		
Comment:	A V		
7. Section XII Company Profile			
38.0 Industry Sector			
jn 38.1 Rubber and Plastic Products	j∩ 38.7 Fabricated Metal Products		
j_{Ω} 38.2 Manufacture of office equipment and computers	j₁ 38.8 Electronics components		
jn 38.3 Instrumentation	j_{th} 38.9 Manufacture of domestic appliances		
jn 38.4 Manufacture of machinery	j_{TO} 38.10 Communications equipment		
j_{Ω} 38.5 Manufacture of electrical machinery and equipment j_{Ω} 38.11 Healthcare products			
jn 38.6 Transport and transport equipment	j _∩ 38.12 Other		
Other (please specify)			
39.0 Please indicate how many persons are employed in your company			
j _n 1-5 j _n 6-10 j _n 11-20	jn 21-50 jn 51-100 jn 101-250		

urvey of Product Development E	xpertise in Irish SMEs
40.0 Please state how many persons are development/R&D	involved full time in product
	untru vour main cita is located in
41.0 Please indicate what area of the co	
j∩ 41.1 North West	j _∩ 41.5 South
j∩ 41.2 North East	j _∩ 41.6 West
jn 41.3 East (including Dublin)	jn 41.7 Mid West
j∩ 41.4 South East	jn 41.8 Midlands
42.0 Approximately, what percentage o export Percentage of Sales	f your company's current sales derive from
43.0 Is your company publicly quoted	
j₁ Yes	j₁∩ No
44.0 Would you like a report on the surv	ey findings
j∩ Yes	j _∩ No
Comment:	
	<u>*</u>
8. Thank You	
hank you for your valuable time. When you press 'Done	your responses are sent.