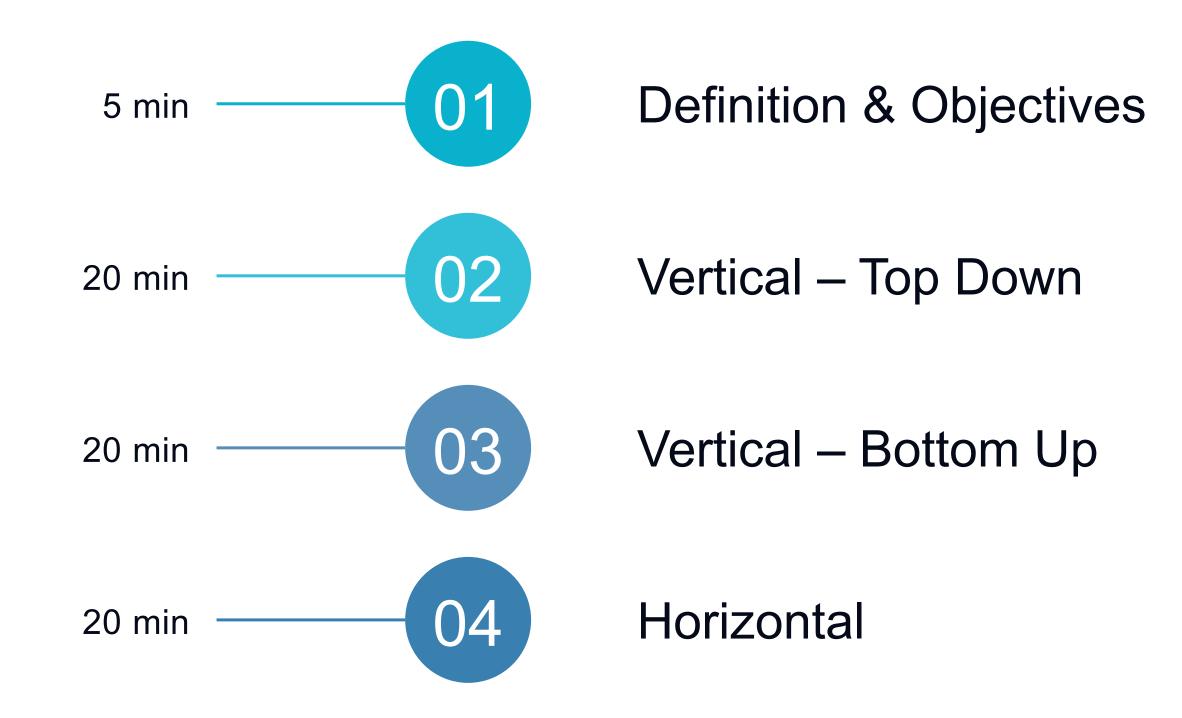
Consultancy project:

Market Potential Analysis

By Jakub Čech & Andrej Šišolák

Our Agenda

Consultancy Project | Market Analysis



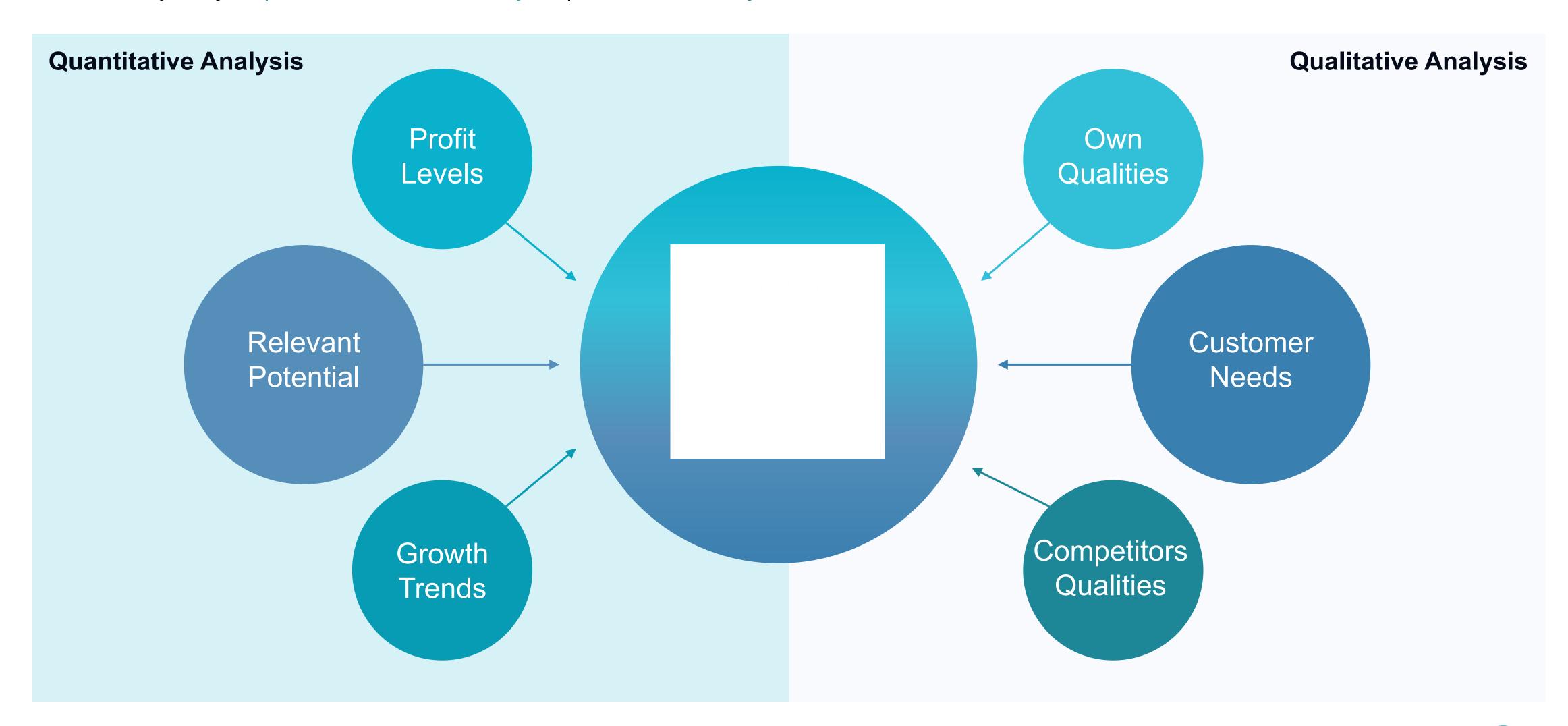
Market Potential Analysis

Definition & Objectives

By Jakub Čech & Andrej Šišolák

Market Analysis Objectives

Consultancy Project | Market Potential Analysis | Definition & Objectives





Terms Definition

Consultancy Project | Market Potential Analysis

Market

is the place or environment where customers can fulfill their needs



Need

Target customer' needs, which should be fulfilled trough the business strategy



Location

Target geographic location in which the business strategy will solve the fulfillment of selected customer needs



Terms Definition

Consultancy Project | Market Potential Analysis

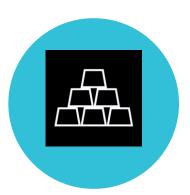
Market Potential

Is a figure expressed in currency or measurable units that represents the total amount of goods or services that all the customers present in the defined market can buy within a specified time



Value

The financial value of all the goods and services that all the customers can buy on the defined market



Volume

The total amount of all the goods and services that all the customers can buy on the defined market



Terms Definition

Consultancy Project | Market Potential Analysis

Market Segmentation

Refers to aggregating prospective buyers into groups with common needs and characteristics.



Homogenity

Common needs and characteristics of customers within the segment. (Demographic, Geographic, Lifestyle etc. for B2C, Type of business, number of employees for B2B)



Distinction

Customer needs and behavior should be unique as much as possible in between the segment

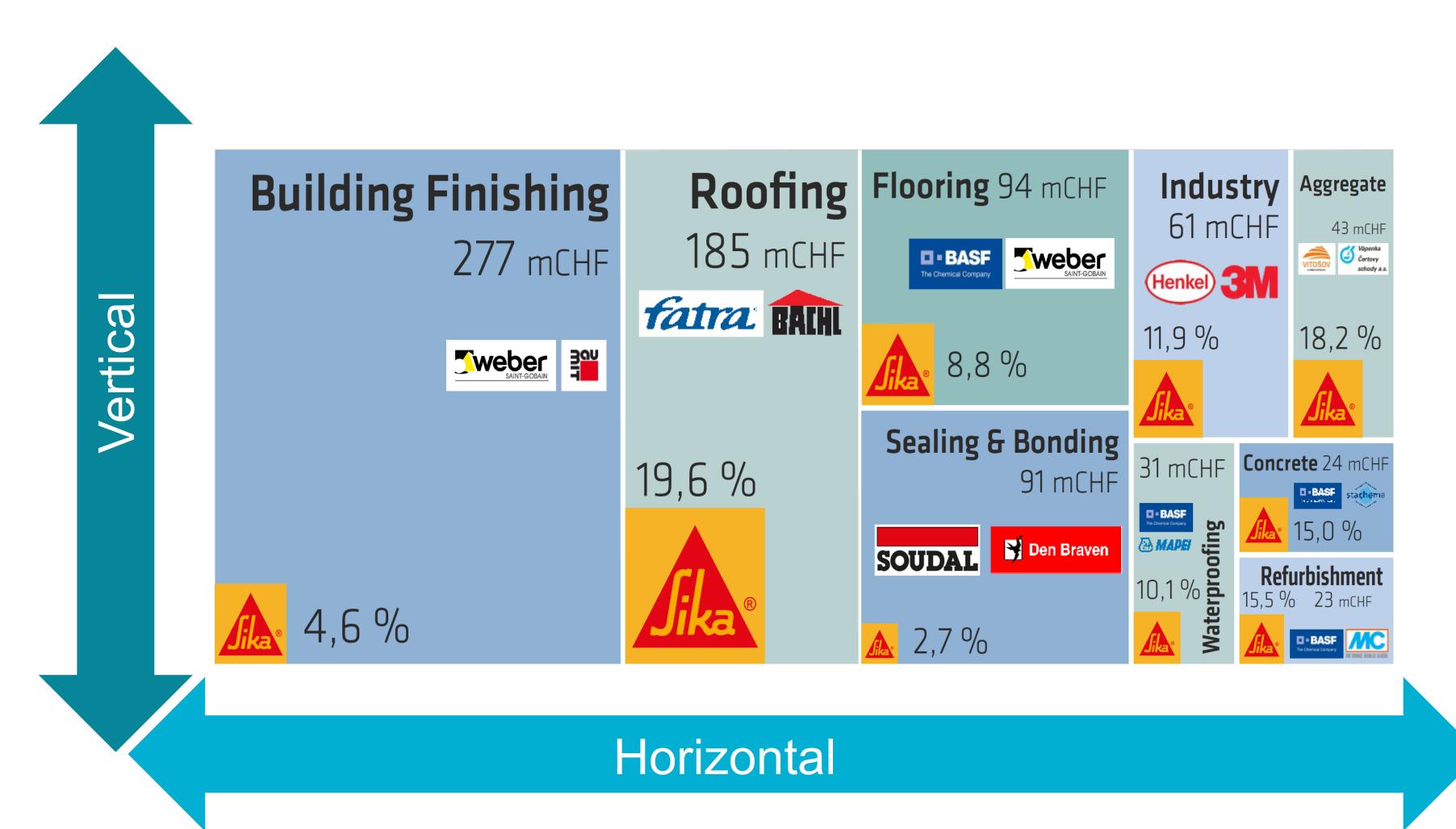


Reaction

Similar response to the market development or marketing incentive

Market Potential Calculation Methodologies

Consultancy Project | Market Potential Analysis | Definition & Objectives



J. Cech & A. Sisolak

Market Potential Vertical Methodologies

Consultancy Project | Market Potential Analysis | Definition & Objectives

Bottom Up

Customer based

Calculation of the market potential based on the definition of the single customer's product basket and potential followed up with multiplication by the number of customers with the similar characteristics

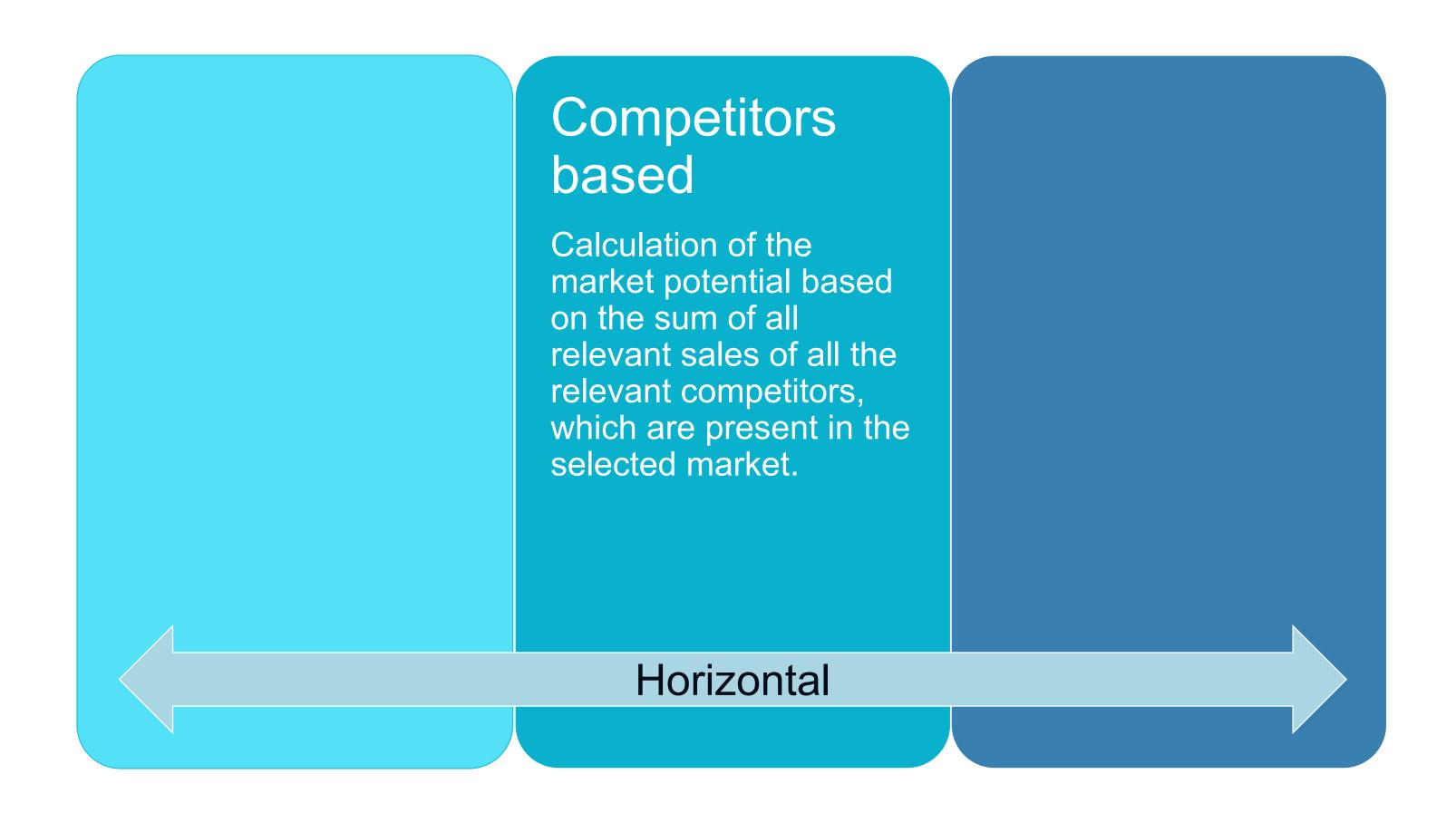
Calculation of the market potential based on the statistics of the selected industrial sector value or volume and data-based estimation of its share relevant to the chosen products or services

Statistics based

Top Down

Market Potential Horizontal Methodology

Consultancy Project | Market Potential Analysis | Definition & Objectives



Market Potential Analysis

Vertical – Top Down

By Jakub Čech & Andrej Šišolák

Top-Down Calculation Process

Consultancy Project | Market Potential Analysis | Vertical – Top Down

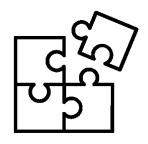
High Level

Data



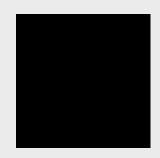
Collect all possible
macroeconomic data that
could show the chosen
market's total value or
volume

Segmentation



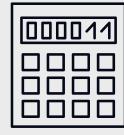
Define the relevant market segments and split the total market value into them

Sample



Analyze the potential for the sample group of the most typical applications or usages of the company's products or services in each segment.

Calculation



Set up a percentage share of the sample group's calculated potential and total market value. Apply the same coefficient for the whole segment. Sum up figures from all segments to get full market potential.

01

02

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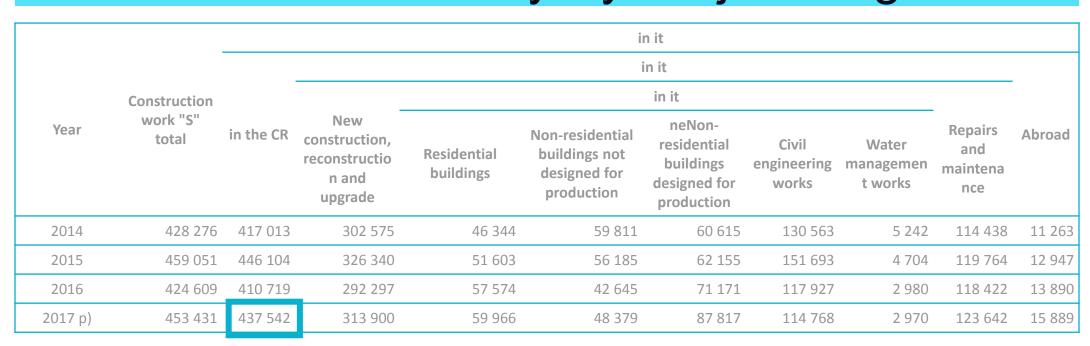
04

Consultancy Project | Market Potential Analysis | Vertical – Top Down

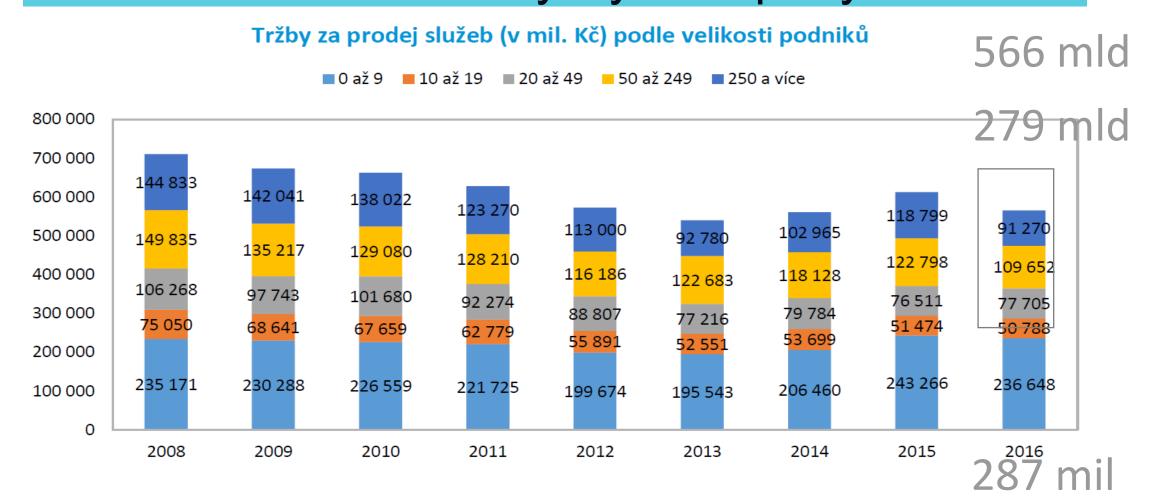
CZ Macroeconomic Environment:

2015	2016	2017	2018	2019	2020	2021
194	202	215	227	242	236	247
10,538	10,554	10,579	10,610	10,650	10,694	10,702
17,829	18,575	20,636	23,415	23,494	22,912	23,980
5,4	2,5	5,2	3,2	2,3	-6,1	3,3
5,1	4,0	2,9	2,2	2,0	2,6	3,5
0,3	0,7	2,5	2,1	2,8	3,2	3,8
24,9	25,1	21,9	22,9	23,3	24,3	23,7
27,3	27,0	26,3	25,6	25,7	26,4	25,1
	194 10,538 17,829 5,4 5,1 0,3 24,9	194 202 10,538 10,554 17,829 18,575 5,4 2,5 5,1 4,0 0,3 0,7 24,9 25,1	194 202 215 10,538 10,554 10,579 17,829 18,575 20,636 5,4 2,5 5,2 5,1 4,0 2,9 0,3 0,7 2,5 24,9 25,1 21,9	194 202 215 227 10,538 10,554 10,579 10,610 17,829 18,575 20,636 23,415 5,4 2,5 5,2 3,2 5,1 4,0 2,9 2,2 0,3 0,7 2,5 2,1 24,9 25,1 21,9 22,9	194 202 215 227 242 10,538 10,554 10,579 10,610 10,650 17,829 18,575 20,636 23,415 23,494 5,4 2,5 5,2 3,2 2,3 5,1 4,0 2,9 2,2 2,0 0,3 0,7 2,5 2,1 2,8 24,9 25,1 21,9 22,9 23,3	194 202 215 227 242 236 10,538 10,554 10,579 10,610 10,650 10,694 17,829 18,575 20,636 23,415 23,494 22,912 5,4 2,5 5,2 3,2 2,3 -6,1 5,1 4,0 2,9 2,2 2,0 2,6 0,3 0,7 2,5 2,1 2,8 3,2 24,9 25,1 21,9 22,9 23,3 24,3

CZ Construction Activity By Project Segments:

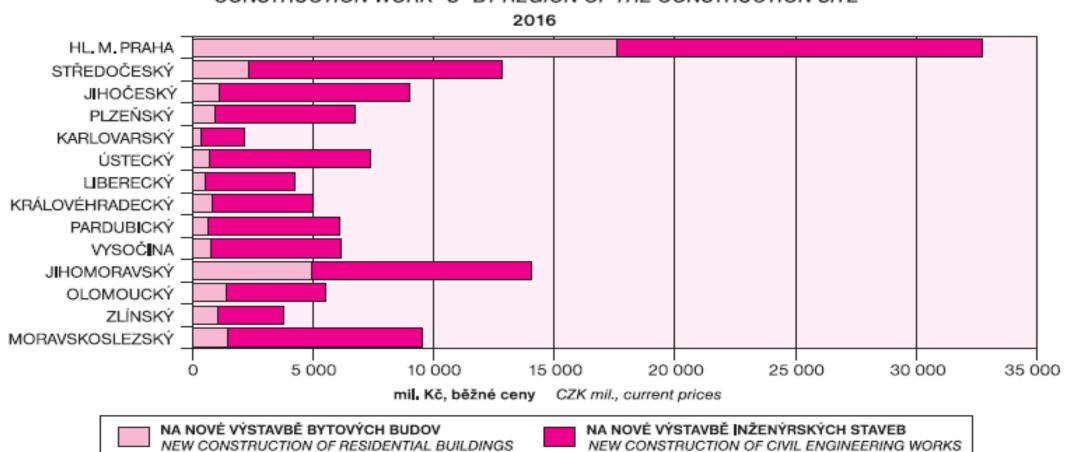


CZ Construction Activity By Company Size:



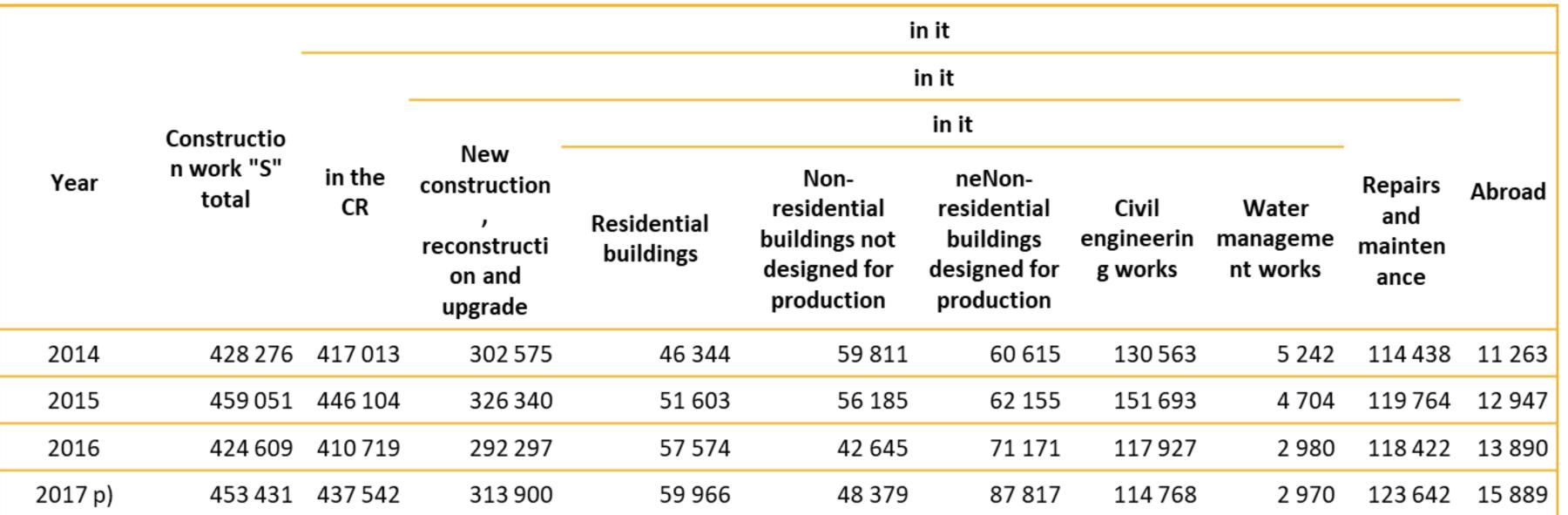
CZ Construction Activity By Region:

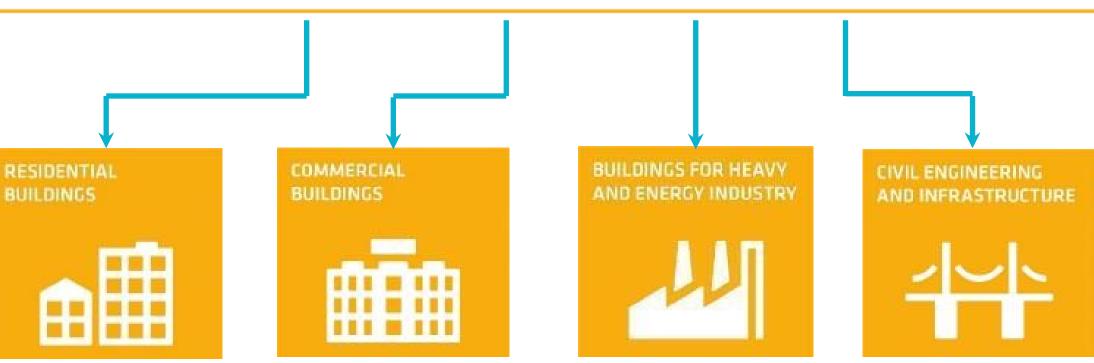




Consultancy Project | Market Potential Analysis | Vertical - Top Down

CZ Construction Activity By Project Segments:





CATEGORY	Name
1	CIVIL ENGINEERING AND INFRASTRUCTURE
2	BUILDINGS FOR HEAVY AND ENERGY INDUSTRY
3	LOGISTIC AND LIGHT INDUSTRY PARKS
4	FOOD, PHARMA AND AGRICULTURE
5	COMMERCIAL BUILDINGS
6	RESIDENTAL BUILDINGS
7	PUBLIC BUILDINGS

Consultancy Project | Market Potential Analysis | Vertical – Top Down

Bill of materials:

Example No. 3

Budget of real project that Sika CZ participated in - these values show the value of Sika's actual stake in the project, including the values from the URS database.

Project BRIDGE: budget 211 000 000 CZK = 9 286 972 CHF

Construction components and craft industries	URS share (%)	URS share (CHF)	Calculation
Building foundation	14,6%	1 355 898	CONCRETE: $7702 \text{ m}^3 \rightarrow \text{type}$ of concrete C25/30 XA 1; C30/37 XF2; C30/37 XC4,XD2,XF3 \rightarrow the proportion of admixture in concrete, potential per $1\text{m}^3 = 3,37 \text{ kg}$ of admixture = 26 000 kg = 33 897 CHF (2,5% Sika potential) FLOORING: $5,2 \text{ m}^3$ drainage concrete \rightarrow the proportion of Sikafloor $156 = 220 \text{ kg}$ per $1\text{m}^3 = 1144 \text{ kg} = 12 203 \text{ CHF (0,9% Sika potential)}$
Surface finishes, floors, installation	19,2%	1 783 099	REFURBISHMENT: 11 400 m ² ; 189 009 CHF (10,6% Sika potential) 1) reprofilation 0-20 mm \rightarrow the proportion of SikaRep CZ; 1,9kg/1mm/1m ² = 19kg \rightarrow 216 600 kg = 128 740 CHF 2) Bonding bridge \rightarrow the proportion of SikaMonotop 910N; 2 kg/1mm/1m ² = 2 kg \rightarrow 22800 kg = 20 149 CHF 3) final layer \rightarrow the proportion of SikaMonotop 620; 1,7kg/1mm/1m ² = 35 765 kg = 40 120 CHF
Insulation against water and moisture	2,0%	185 739	Waterprofing: 102 157 CHF (55,0% Sika potential) a) 7536 m ² : primer for concrete bridges \rightarrow the proportion of Sika Ergodur 500Pro; 0,5 kg/1m ² = 3768 kg = 46 435 CHF b)11 943 m ² protection coating \rightarrow Sika Igasol 101; 2kg/1m ² = 23 886 kg = 55 722 CHF

Consultancy Project | Market Potential Analysis | Vertical – Top Down

Bill of materials:

Example No. 2

Budget of real project that Sika CZ participated in - these values show the value of Sika's actual stake in the project, including the values from the URS database.

Example of detail calculation (grey lines) is shown on the next slide.

Project BRIDGE: budget 211 000 000 CZK = 9 286 972 CHF

Construction components and craft industries	URS share (%)	URS share (CHF)	cor	NCRETE		ATER DOFING	FLO	ORING		JRBISH IENT		LING & NDING	SIKA potential (CHF)	SIKA potential (%)
Earthworks	3,1	283 252,6												
Building foundation	14,6	1 355 897,9	2,5%	33 897,4			0,9%	12 203,1					46 100,5	3,4%
Vertical and complete construction	9,9	914 766,7	4,1%	37 505,4									37 505,4	4,1%
Horizontal construction	20,1	1 866 681,3	1,1%	20 533,5									20 533,5	1,1%
Ground communication	3,1	283 252,6												0,0%
Surface finishes, floors, installation	19,2	1 783 098,6							10,6%	189 008,5			189 008,5	10,6%
Pipelines	0,3	23 217,4												0,0%
Other constructions and work	15,2	1 411 619,7					0,1%	1 411,6			0,7%	9 881,3	11 293,0	0,8%
Mass transfer	5,4	501 496,5												0,0%
TOTAL main building production	90,7	8 423 283,5		91 936,4				13 614,7		189 008,5		9 881,3	304 440,9	3,6%
Insulation against water and moisture	2,0	185 739,4			55,0%	102 156,7							102 156,7	55,0%
Plumbing structures	0,3	27 860,9												0,0%
Additional metal construction	0,2	18 573,9												0,0%
Finishing works - coatings	5,0	464 348,6					11,0%	51 078,3	11,4%	52 935,7			104 014,1	22,4%
TOTAL additional building production	7,5	696 522,9				102 156,7		51 078,3		52 935,7			206 170,8	29,6%
Heave	0.3	10 572 0												
Heavy current Earthworks for "M"	0,2	18 573,9												
	0,1	9 287,0												
Other work according to the price list "M"	1,5	139 304,6												
"M" Total	1,8	167 165,5												
TOTAL	100	9 286 971,8		91 936,4		102 156,7		64 693,0		241 944,2		9 881,3	510 611,6	5,5%
Potential				1,0%		1,1%		0,7%		2,6%		0,1%		

Consultancy Project | Market Potential Analysis | Vertical – Top Down

Sika potential in % of total investment:

Result

1) Definition of Sika's total potential in each of the 7 construction types and TM in percentage from total investments.

	TARGET MARKET							
CATEGORY	CONCRETE	WATER PROOFING	FLOORING	ROOFING	REFURBISH MENT	SEALING & BONDING	INDUSTRY	ALL TM
CIVIL ENGINEERING AND INFRASTRUCTURE	1,00%	1,10%	0,70%	0,00%	2,60%	0,10%	0,00%	5,50%
BUILDINGS FOR HEAVY AND ENERGY INDUSTRY	0,60%	1,20%	0,60%	0,45%	1,83%	0,05%	0,00%	4,73%
LOGISTIC AND LIGHT INDUSTRY PARKS	0,26%	0,61%	0,53%	2,19%	0,29%	0,31%	0,24%	4,43%
FOOD, PHARMA AND AGRICULTURE	0,27%	0,69%	1,53%	1,02%	0,06%	0,15%	0,00%	3,72%
COMMERCIAL BUILDINGS	0,51%	0,72%	2,81%	1,14%	0,74%	0,16%	0,05%	6,12%
RESIDENTAL BUILDINGS	0,48%	0,34%	0,50%	0,65%	0,47%	0,32%	0,00%	2,76%
PUBLIC BUILDINGS	0,55%	0,33%	0,30%	0,33%	0,26%	0,18%	0,08%	2,03%
Average	0,52%	0,71%	1,22%	0,86%	0,87%	0,18%	0,05%	4,43%

Consultancy Project | Market Potential Analysis | Vertical – Top Down

Sika potential in different types of buildings:

Result

2) Calculation of Sika potential across 7 construction types and TM.

		TOTAL TM (mil CHF)								
CATEGORY	Budget (mil CHF)	CONCRETE	WATER PROOFING	FLOORING	ROOFING	REFURBISH MENT	SEALING & BONDING	INDUSTRY	ALL TM	
CIVIL ENGINEERING AND INFRASTRUCTURE	1 239,3	12,4	13,6	8,7	0,0	32,2	1,2	0,0	68,2	
BUILDINGS FOR HEAVY AND ENERGY INDUSTRY	414,4	2,5	5,0	2,5	1,9	7,6	0,2	0,0	19,6	
LOGISTIC AND LIGHT INDUSTRY PARKS	906,6	2,4	5,5	4,8	19,9	2,6	2,8	2,2	40,2	
FOOD, PHARMA AND AGRICULTURE	135,8	0,4	0,9	2,1	1,4	0,1	0,2	0,0	5,0	
COMMERCIAL BUILDINGS	833,1	2,5	4,2	8,9	10,0	6,1	2,1	0,1	33,9	
RESIDENTAL BUILDINGS	655,3	3,1	2,2	3,3	4,3	3,1	2,1	0,0	18,1	
PUBLIC BUILDINGS	712,1	3,9	2,3	2,1	2,3	1,9	1,3	0,6	14,5	
Total	4 896,5	27,2	33,9	32,3	39,7	53,5	9,9	2,9	199,4	

142,6

Consultancy Project | Market Potential Analysis | Vertical – Top Down

Relevant Sika potential:

DEFINITION BUILDINGS FOR HEAVY BUILDINGS 111 . 111 Infrastrucuture Individual Logistics, Office, mall, housing, block of entertaiment production, projects, road, and government agriculture, food rail, bridges, flats and energy water Investment mCHF 4 361 3 221 5 968 4 359 Sika potential % 8,76 % 4,43 % 6,54 % 2,39 %

142,7

285,1

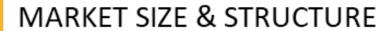
DESCRIPTION AND TRENDS

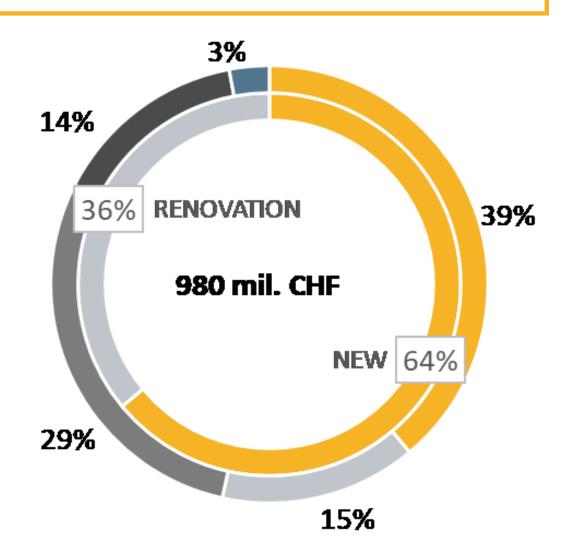
Sika potential mCHF

 Total construction spending is expected to continue on this positive course, increasing 10.2 % in 2018 and 2.8 % in 2019.

382,0

- Construction spending in the Czech Republic will face a 2.9% compound annual growth rate (CAGR) between 2017 and 2022 with growth led by the infrastructure segment.
- In the longer run, growth will slow to a 2.2% compound annual rate between 2022 and 2027. The infrastructure segment will again demonstrate the highest growth over the period.
- Infrastructure projects are hardly predictable due to long approval process





- Residential
- Commercial
- Production
- Infrastructure
- Others

Market Potential Analysis

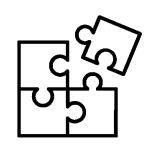
Vertical – Bottom Up

By Jakub Čech & Andrej Šišolák

Bottom Up Calculation Process

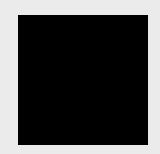
Consultancy Project | Market Potential Analysis | Vertical – Bottom Up

Segmentation



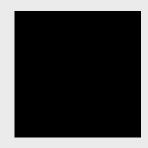
Split all potential
customers to the
segments based on the
defined criteria. Main goal
is to associate the
customers based on their
characteristics or behavior
on the market

Product basket



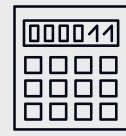
Define the typical product basket for the customer segments based on customer analysis

Calculation



Calculate your potential
based on the product mix
and potential sales to the
customers in each
segment. As a percentage
of the total customer
turnover or total spending
in the segment

Aggregation



Apply the calculation in each segment to all existing customers. This leads to a potential sales per segment. Put all segments together to get the relevant potential for your company on the market

02

03

Consultancy Project | Market Potential Analysis | Vertical – Bottom Up

Customer segmentation – segment definition:



Consultancy Project | Market Potential Analysis | Vertical – Bottom Up

Customer segmentation:

Extracted of 717 active Sika CZ customers from SAP together with their turnover in 2017.

Input their total turnover from official P&L (source: www.justice.cz).

Define 12 customer groups.

Then, based on company business and portfolio, assigned customer group.

Customer name	Sales kCHF	Turnover kCHF	Customer group
Stavebniny DEK, a.s.	3 365	439 035	General dealer
IZOFOL - sklady s.r.o.	1 590	6 856	ROOF Specialised dealer
LS Systém CZ, s.r.o.	1 124	4 559	ROOF Specialised dealer
TECHFLOOR s.r.o.	780	28 205	FLR Specialised aplicator
FIRESTA-Fišer rekonstrukce	678	93 996	General Contractors (general construction companies all sizes)
Iveco Czech Republic a.s.	666	758 335	IND Producers
G.A.M. HEAT spol. s r. o.	647	23 894	FLR Specialised aplicator
BETVAR a.s.	485	8 944	REF Specialised aplicator
ŠKODA TRANSPORTATION a.s.	436	684 583	IND Producers
Free Store s.r.o.	434	2 267	ROOF Specialised dealer
KOBERCE BRENO, spol. s r.o.	427	61 225	FLR Specialised dealer

Consultancy Project | Market Potential Analysis | Vertical – Bottom Up

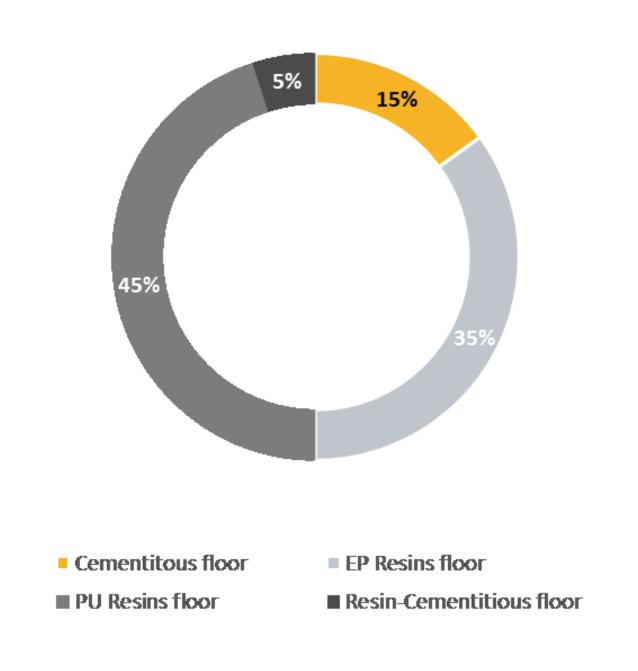
Product basket:

Customer potential calculation

This calculation of potential per customer is based on our existing customers database. In total it includes 717 customers. For TM Flooring we have 108 specialized applicators 20 specialized dealers (from total 395 registered customers in 2017).

Customer name	Total company turnover (kCHF)	Sika sales (kCHF)	Sika potential (kCHF)	Potential %
Techfloor	35 213	764	3 323	9.5%
HT Floor	12 020	4	1 400	12%
BCC	8 149	65	1 100	13.5%
Vibrobeton	6 800	0	800	12%
Acidotechna	3 816	469	900	24%
AM Podlahy	1 852	87	150	8%
EFISAN	1 495	156	500	33%
AAP Hranice	1.400	29	300	21%
SALIT	1 262	92	300	24%
Zbyněk Šustr	1 109	205	400	36%
Customer group potential				12.0%

Typical Product Basket



Consultancy Project | Market Potential Analysis | Vertical – Bottom Up

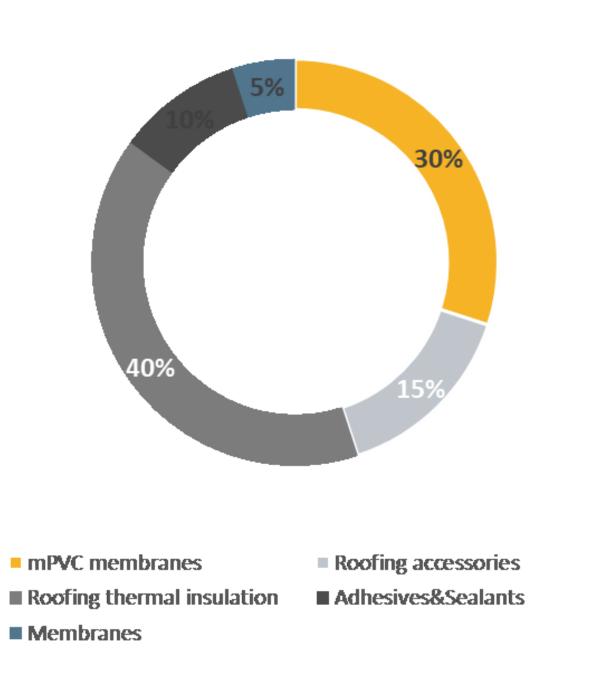
Product basket:

Customer potential calculation

This calculation of potential per customer is based on our existing customers database. In total it includes 717 customers. For roofing specialized applicators we have 26 buying customers.

Customer name	Total company turnover (kCHF)	Sika sales (kCHF)	Sika potential (kCHF)	Potential %
Stavoizola	924	217	230	25%
P-Systems	3 353	174	670	20%
RESMONT	2 388	164	500	21%
IZOLACE HK	1 610	126	340	21%
Brnenske izolace	3 158	125	790	25%
Falk	9 371	62	1 870	20%
Stavizolex	1 506	62	285	19%
Benefol	1 101	59	175	16%
Vanicek	1999	24	300	15%
SKYSCRAPER	2 910	23	520	18%
Customer group potential				20.0%

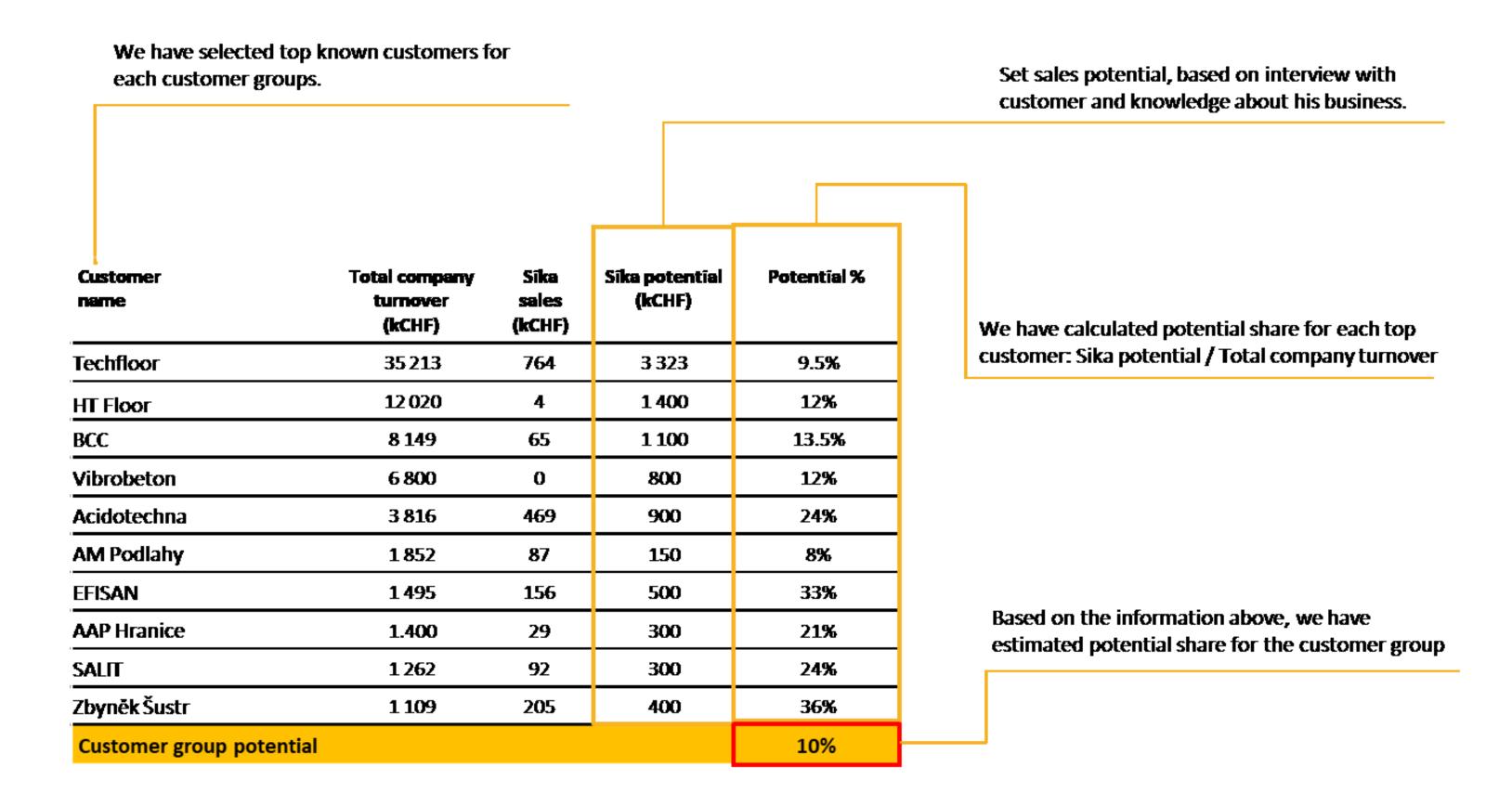
Typical Product Basket



J. Cech & A. Sisolak

Consultancy Project | Market Potential Analysis | Vertical – Bottom Up

Potential calculation:



Consultancy Project | Market Potential Analysis | Vertical – Bottom Up

Potential calculation:

Customer groups	Number of customers	Total Potential Sika kCHF	Total Sika Sales kCHF
CONCRETE PRODUCERS, RMX, PREFA	63	75 327	4 813
WATERPROOFING SPECIALIZED APPLICATOR	5	2 573	283
REFURBISHMENT SPECIALIZED APPLICATOR	15	640 572	1 677
FLOORING SPECIALIZED APPLICATOR	101	129 462	4 032
ROOFING SPECIALIZED APPLICATOR	26	38 051	1 515
OTHER SPECIALIZED DEALER (any TM)	36	328 179	4 418
GENERAL CONTRACTORS (general construction companies all sizes)	220	453 989	3 517
FLOORING SPECIALIZED DEALER	40	29 745	1 634
REFURBISHMENT SPECIALIZED DEALER (tiling)	14	73 188	1 061
ROOFING SPECIALIZED DEALER	3	44 817	3 150
GENERAL DEALER	8 5	1 652 099	5 532
INDUSTRIAL PRODUCERS	109	94 243	4 252
Total	717	3 562 245	35 884

Market Potential Analysis

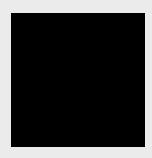
Horizontal

By Jakub Čech & Andrej Šišolák

Horizontal Calculation Process

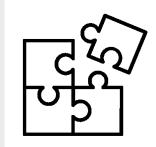
Consultancy Project | Market Potential Analysis | Horizontal

List



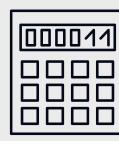
Make a list of all relevant competitors which are active in all the chosen market segments and find their official sales figures in the trade register or annual reports

Segmentation



Based on the annual reports or information from the customers, split the total sales of each competitor into the selected market segments

Calculation



Calculate market potential for each selected market segment by aggregating the competitors' sales allocated in each of them

Aggregation



Sum up the potential of the individual segments into the total market potential.

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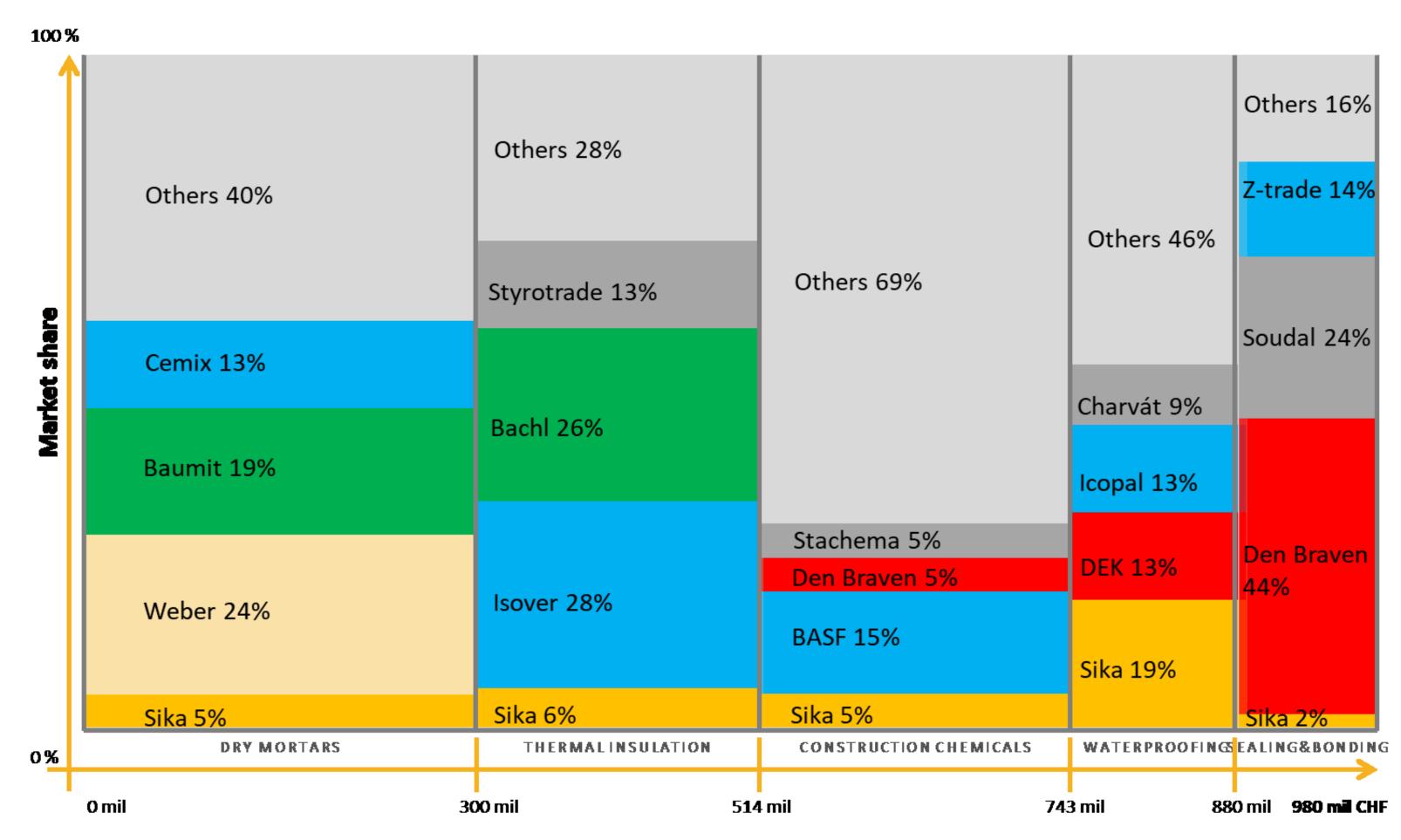
Consultancy Project | Market Potential Analysis | Horizontal

Hard facts | Competitors' list:

Company name and address	Other affiliated brands and companies	Identification number	Product segments (DRY MORTARS-SOMS, Thermal insulations, Waterproofing, Construction chemistry, Industry, Sealing Bonding	Presence in SIKA defined target markets (Concrete, Waterproofing, Refurbishment, Sealing Bonding, Flooring, Roofing, Industry)	Turnover - 2014 tCHF (Last available turnover 2014 or older)	Turnover 2015 tCHF	Turnover 2016 tCHF	Turnover tCHF 2017	Turnover 2017 final tCHF (including estimates of missing values)	WEB	% change in turnover 2014-2017
					Total turnover	Total turnover	Total turnover	Total turnover	Total turnover		
Sika CZ, s.r.o.	SCHÖNOX	49437151	ALL	ALL	1 994 571 32 744	2 115 612 36 595	2 456 697 36 986	2 327 820 39 898	2 850 929 39 898	www.sika.cz	21,85
Krkonošské vápenky											·
Kunčice, a.s.		48173029	SOMS	Waterproofing, Refurbishment, Flooring	19 473	17 964	17 565	18 862	18 862	<u>www.kvk.cz</u>	-3,14
KVK Parabit, a.s.		27537749	Thermal insulation	Waterproofing, Roofing	25 484	21 478	20 901	32 438	32 438	www.kvkparabit.com	27,28
3M Česko , spol. s.r.o., Praha 4, V parku 2343/24		41195698	Industry	Industry	63 674	72 226	76 794	N/A	79 190	https://www.3mcesko.cz/ 3M/cs_CZ/company-ctl/	24,37
AC MARCA Czech Republic	Ceys	63668262	Sealing&Bonding	Sealing&Bonding	15 455	18 257	20 815	22 266	22 266	https://ceys.cz/	44,07
Ardex Baustoff, s.r.o. Brno, Jihlavská 796/7a		26237679	Construction chemistry	Refurbishment, Flooring	798	708	694	N/A	603	http://www.ardex.cz/	-13,04
ATEMIT, s.r.o., Brno, Olomoucká 1181/89		26888823	Construction chemistry	Flooring	3 849	3 886	3 455	5 214	5 214	http://www.atemit.cz/pru myslove-dekorativni-lite- podlahy/	35,45
AU-MEX s.r.o., Praha 8,	Osmo	25349929	Sealing&Bonding	Sealing&Bonding	6 117	7 175	7 965	9 531	9 531	https://www.osmo.cz/	55,81
AUTO - COLOR spol. s.r.o., Liberec, Ampérova 482	Dinitrol	18381201	Industry	Industry	3 583		3 750	4 291	4 291	http://www.a-c.cz/	19,76
BACHL, spol. s.r.o., Modřice, Evropská 669		14503603	Thermal insulation	Refurbishment, Roofing	58 546	52 676	49 499	60 105	60 105	http://www.bachl.cz/	2,66
BARVY A LAKY HOSTIVAŘ, a.s., Praha, Průmyslová		26765306	Construction chemistry	Sealing&Bonding, Roofing	47 656	49 322	53 812	52 785	52 785	https://www.bal.cz/	10,76
BASF Stavební hmoty Česká republika s.r.o., Chrudim IV, K Májovu 1244	PCI, Master Builders	49286242	SOMS, Construction chemistry	Concrete, Waterproofing, Refurbishment, Interior Finishing, Flooring	38 920	45 003	41 619	43 389	43 389	http://www.pci-cz.cz/ https://www.basf.com/cz/ cz.html	11,48
Bauder s.r.o., Praha 10, Nad Vinným		62622439	Waterproofing	Roofing, Waterproofing	2 375	4 261	N/A	N/A	7 644	https://www.bauder.cz/	79,40
BAUMIT, spol. s r.o., Brandýs nad Labem-Stará Boleslav, Průmyslová 1841		48038296	SOMS	Refurbishment	29 495	59 132	53 267	56 960	56 960	http://www.baumit.cz/	93,12
Berner spol. s.r.o., Praha 5, Jinonická 804/80		62582771	Industry	Industry	20 860	21 897	23 214	N/A	25 833	https://shop.berner.eu/cz- cs/	11,28
Betosan s.r.o., Praha 4, Na Dolinách 148/28		48028177	SOMS, Waterproofing, Construction chemistry	Waterproofing, Refurbishment	2 618	2 710	2 209	N/A	1 864	http://www.betosan.cz/	-15,64
BITUMAX, s.r.o., Mladá Boleslav		49977491	Waterproofing	Roofing, Waterproofing	4 920	5 132	N/A	N/A	5 352	http://www.bitumax.cz/	4,29
BODY COLOR, s.r.o. Turnov, Studentská 1727	H.B. Body	27543790	Industry	Industry	2 671	2 988	3 132		3 671	http://www.bodycolor.cz/	17,23
BONA CR, spol. s.r.o., Čestlice, Obchodní 132		49976834	Construction chemistry	Sealing&Bonding	3 315	3 685	3 698	3 430	3 430	https://www.bona.com/cz	3,46
BRALEP s.r.o., Praha 8, Třeboradická		48026913	SOMS	Sealing&Bonding	2 117	2 465	2 536	2 346	2 346	https://www.bralep.cz/	10,83
BÜSSHER - HOFFMANN, s.r.o.,		60737271	Waterproofing	Roofing, Waterproofing	6 298	7 725	6 862	N/A	7 476	https://www.bueho.com/c <u>s</u>	8,95
Cement Hranice, akciová společnost, Hranice,		15504077	SOMS	Refurbishment, Flooring	63 017	64 127	64 953	69 034	69 034	http://www.cement.cz/onl ine/cz/Domcstrnka.html	9,55
CEMEX Cement, k.s. Prachovice, Tovární 296		27892638	Construction chemistry	Concrete, Flooring	83 622	107 156	69 614	90 285	90 285	http://www.cemex.cz/inde x.aspx	7,97
COMING Plus, a.s., Praha 4, Na vrstvách		25748793	Construction chemistry	Flooring	3 834	4 313	4 484	4 593	4 593	http://vyvoj.coming.cz/	19,79

Consultancy Project | Market Potential Analysis | Horizontal

Allocation of the sales into the segments:



Consultancy Project | Market Potential Analysis | Horizontal

Total market potential:

TECHNOLOGY OVERVIEW



Mortars in bags and bulk for masonry, plasters, screeds 300 mCHF



EPS and mineral woll products for facade and roof insulation
214 mCHF



Concrete admixtures, syntetic floor materials etc.

229 mCHF



Membranes and other technology for roof and basement

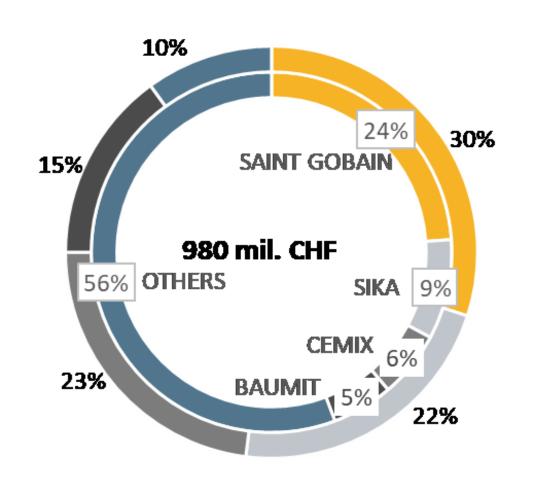


Adhesives and sealants for construction purpose 100 mCHF

REMARKS

- Dry mortar segment represents biggest size and growth potential
- Building chemistry covers all specialised materials for construction as concrete admixtures, resins, grouts, coatings and other specific construction products
- Insulation segment includes all relevant technologies of thermal insulations and represents big size of potential but with low margins
- Volume of each technology group is more less stable over the past few years
- Changes are happening only inside the segments (i.e. switch from wool to EPS)
- Market is conservative and introduction of new technologies is slow
- Market is fragmented and the biggest market players are Saint gobain group companies followed by Sika, Cemix, Baumit
- Market consolidation is in progress
- Biggest and international players are growing above average at the expense of small or by acqusitions

TECHNOLOGY & COMPETITORS



- Dry mortars
- Insulation
- **■** Construction chemicals
- Waterproofing
- Sealing & Bonding

J. Cech & A. Sisolak

Market Potential Analysis

Summary

By Jakub Čech & Andrej Šišolák

Summary Of Market Potential Calculation

Consultancy Project | Market Potential Analysis | Summary

Top Down



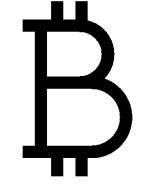
Total value of market potential calculated based on the statistic methodology

Bottom Up



Total value of market potential calculated based on customer' product basket methodology

Horizontal



Total value of market potential calculated based on competitors methodology

Thank You For Your Watching

Jakub & Andrej