

The background features a dark gray, textured triangular shape on the left side, resembling a close-up of a tire tread. On the right side, there are two large, overlapping diagonal stripes: a red one on top and a light gray one below it. The word "Roctool" is centered in a large, black, sans-serif font.

Roctool

Investor Presentation Update

June 2019

Table of contents

3-5		Roctool overview
6-13		Governance & key data
14-18		2018 key events & results
19-27		Overview of customers, sectors, R&I, competition, platforms, IP
28-29		Roctool users in China
30		Why invest in Roctool
31-35		Group organization overview
36-41		Technology advantages
42-45		Technologies overview



Who
are
we?



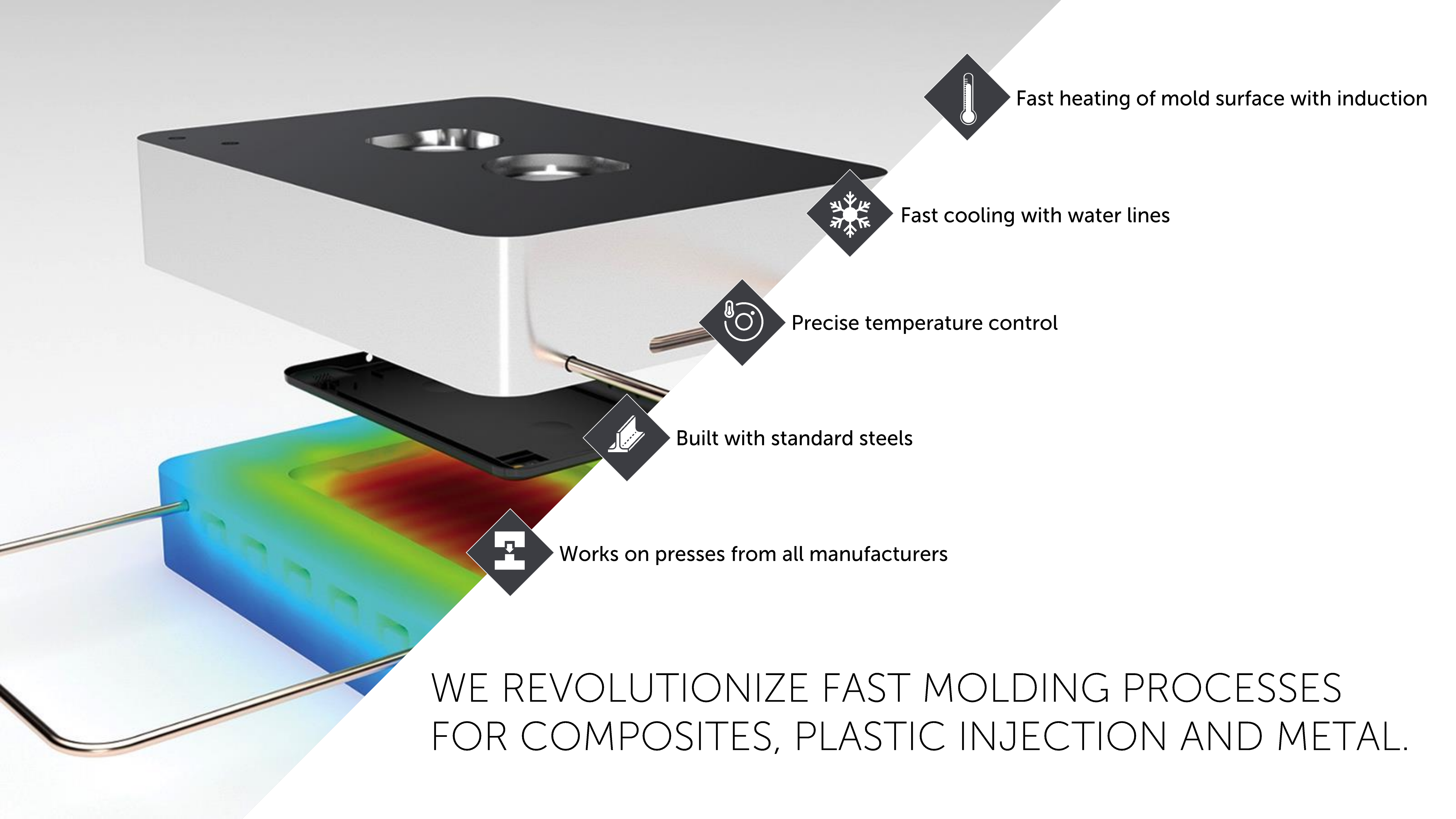
A TECHNOLOGY
AND MANUFACTURING
SOLUTIONS PROVIDER.



What
is our
ambition?



TO BECOME A NEW
MANUFACTURING STANDARD
FOR LARGE BRANDS
IN KEY MARKET SEGMENTS.



Fast heating of mold surface with induction



Fast cooling with water lines



Precise temperature control



Built with standard steels



Works on presses from all manufacturers

WE REVOLUTIONIZE FAST MOLDING PROCESSES
FOR COMPOSITES, PLASTIC INJECTION AND METAL.

Meet our management team



Matt Boulanger (38)

CEO

Matt joined Roctool in January 2004. He worked at Roctool's head offices in Savoy for ten years where he was in charge of global sales development, key customers, and strategic directions. In 2013, he created the American subsidiary, Roctool Inc. He has been appointed CEO of the Roctool Group in December 2015 and remain President of Roctool North America.



José Feigenblum (44)

CTO

José joined Roctool in June 2002 (shortly after the company was created). José is an expert in induction heating and is in charge of technology and R&D. As such, he is at the heart of Roctool's innovations. He's currently the managing director of Roctool Shanghai.



Nicola Gobbo (36)

DEPUTY GM

Nicola joined Roctool in April 2014. After a few years as investor and capital investment consultant, he created a consultancy firm and a publishing company for which he was the Finance and Administration Manager.

Meet our board



J e a n - M a r i e D e m é a u t i s

Chairman of the board



V i n c e n t B a z i

Director, representing NextStageAM



D a v i d T a t e

Director, representing Trocadero 2015LP



J e a n - F r a n ç o i s Z o e l l e r

Director, representing Flex



V a l é r y H u o t

Director, representing LBO France



M a t t B o u l a n g e r

Director, CEO



J o s é F e i g e n b l u m

Director, CTO

Key Facts

190

Patents
worldwide

12

Staff
nationalities

6

Proprietary
technologies

7

PhD
degrees

28

Countries
of sale

88

Global
clients

300

System
installations

40M

Manufactured
parts

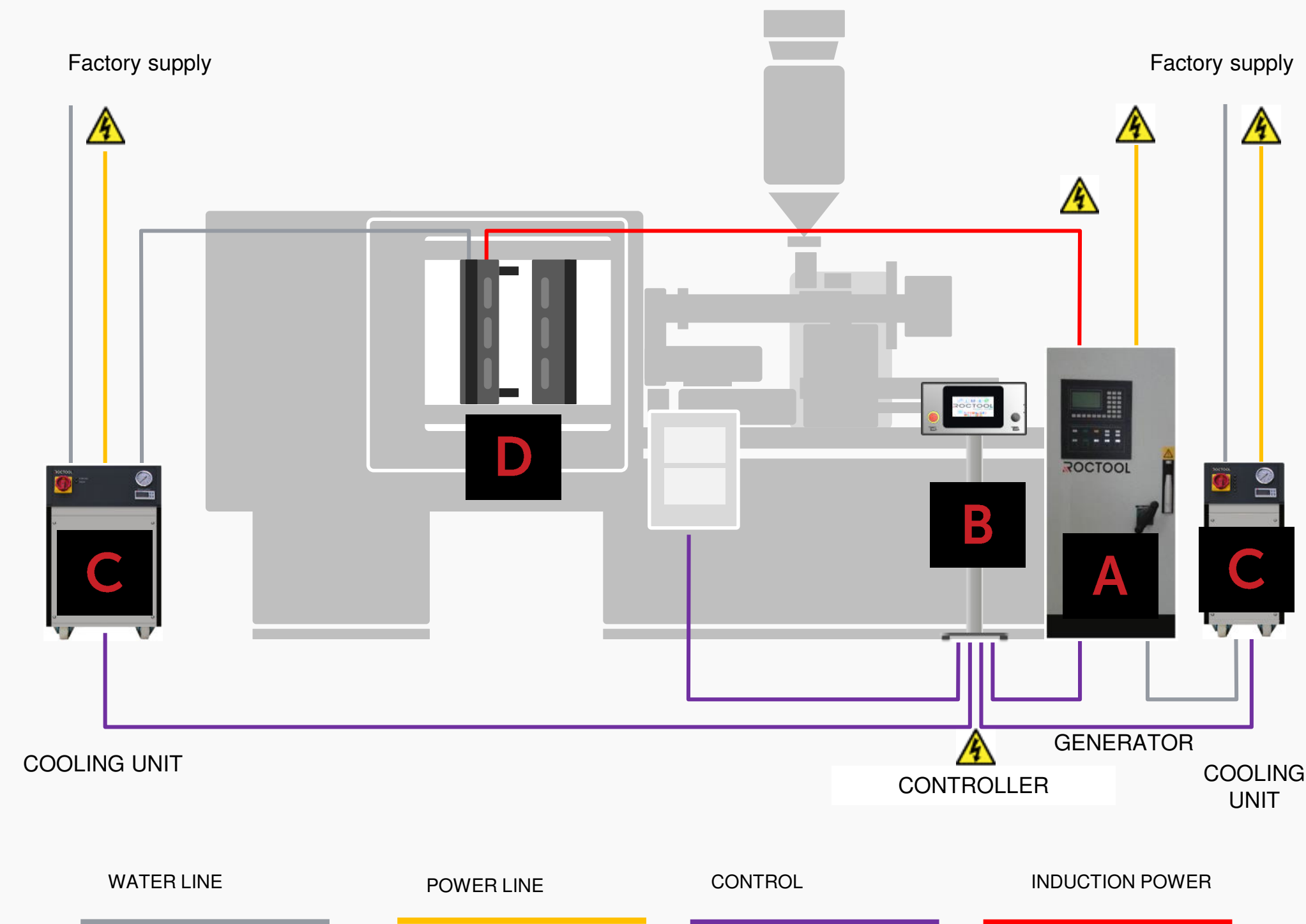
Products and services

PRODUCTS

Induction heating system
Generator (A)
Controlling unit (B)
Chillers (C)

Tooling hardware (in the mold **D**)

Complete turnkey solutions
(including the press in light grey)



In light grey, the equipment our clients already have, including notably the press

SERVICES

Engineering of the mold (D)
(simulations, thermal engineering
and computer-aided designs)

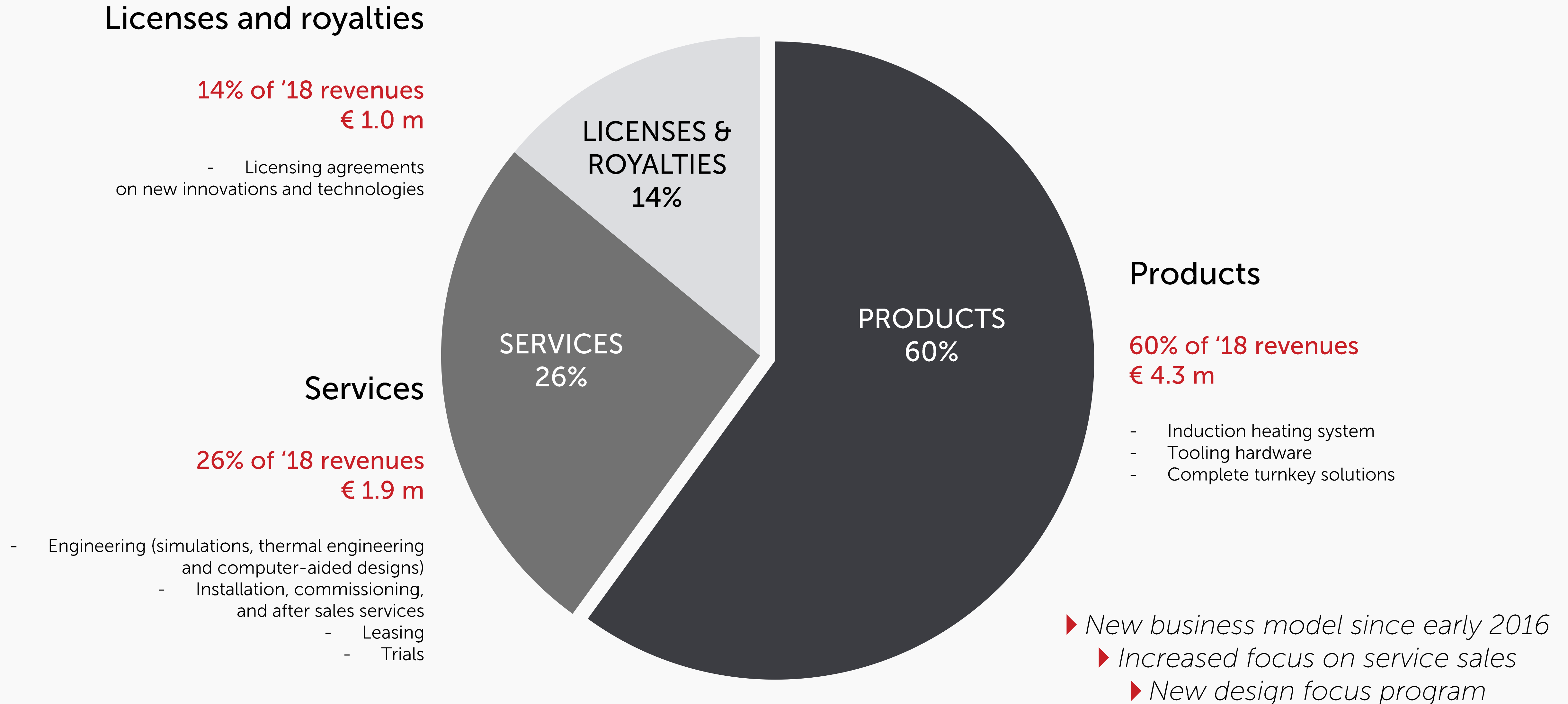
And a complete installation automation

Installation, commissioning, and after sales services

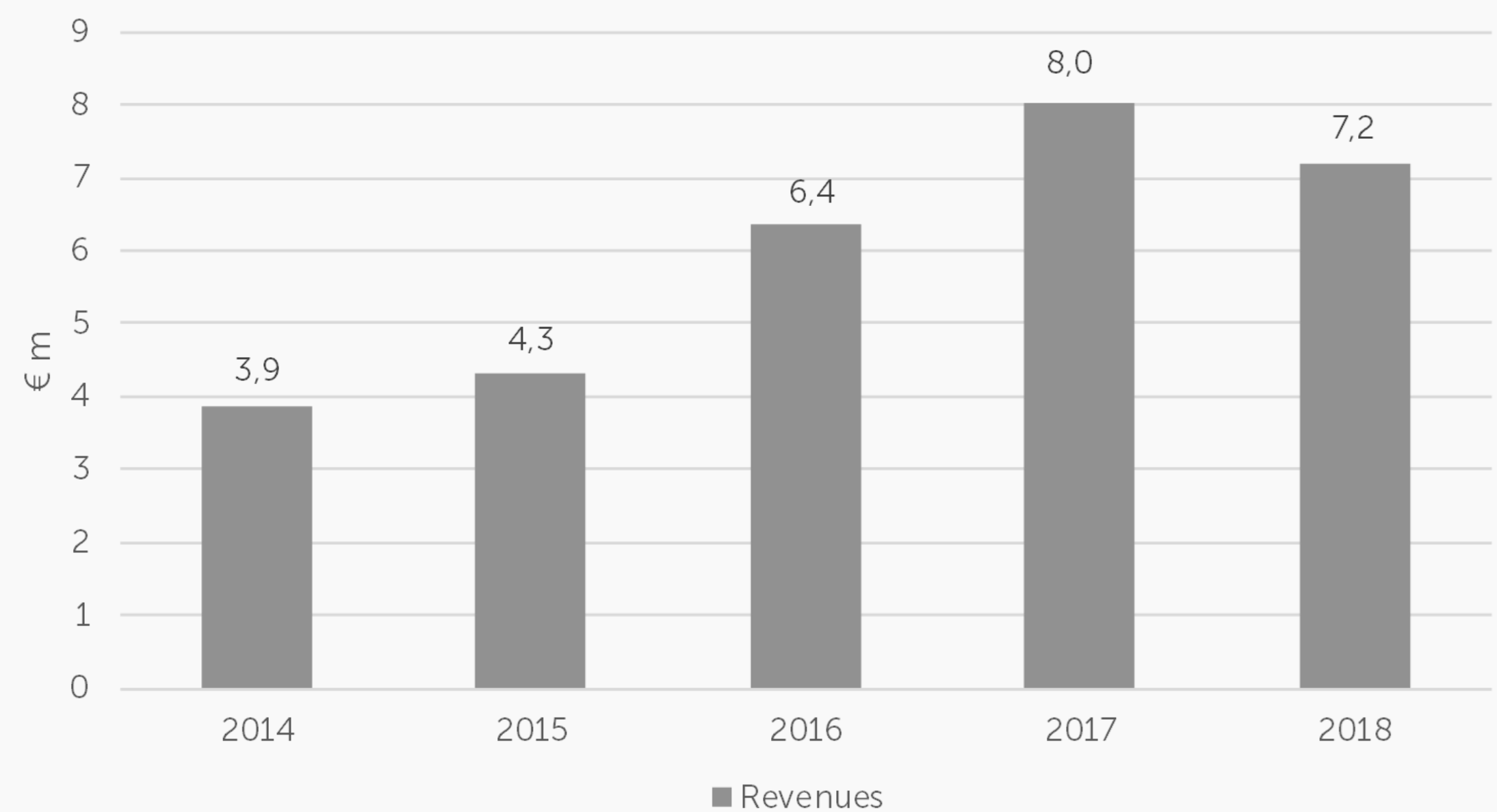
Leasing of products

Trials

A strong business model



2016-2018 key figures



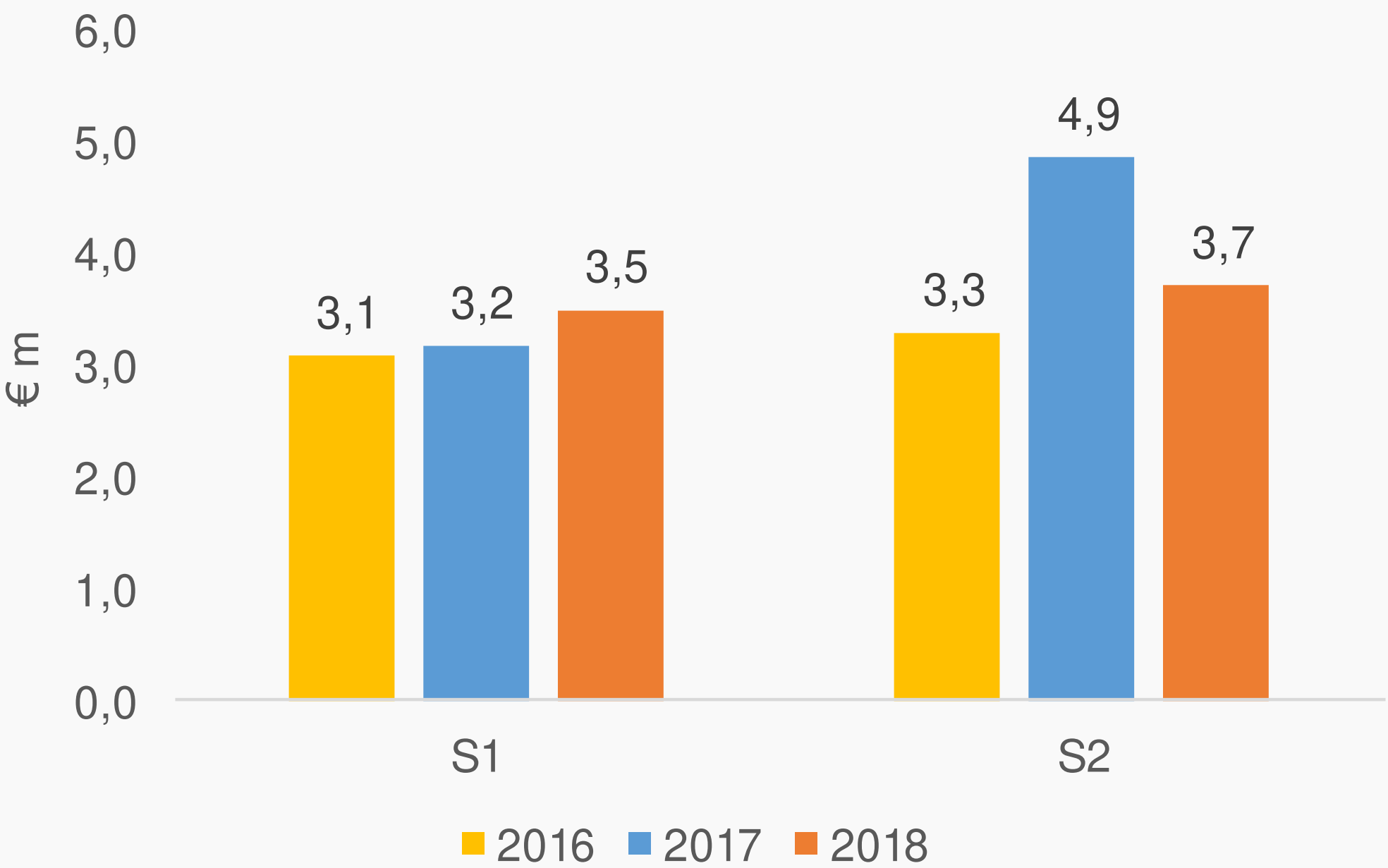
Revenues 2018 vs. 2014



Roctool systems delivered 2018 vs. 2014

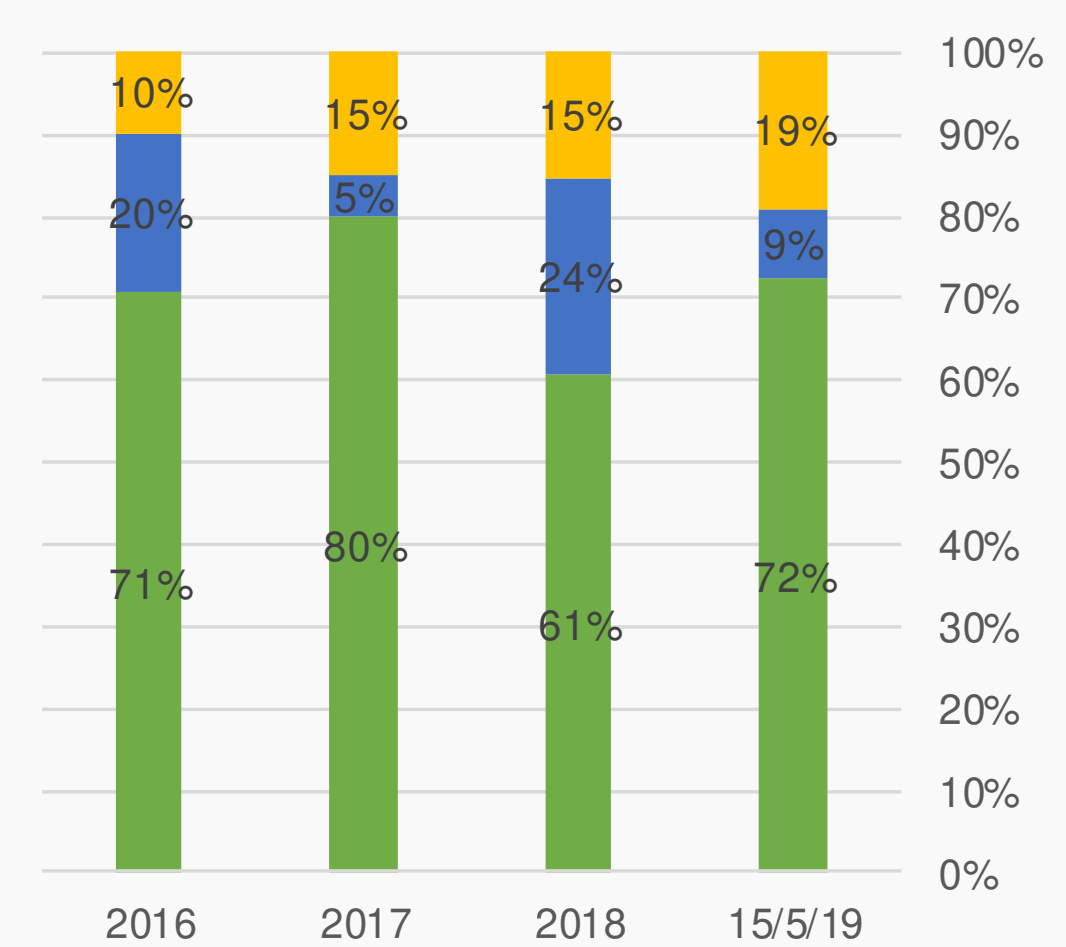
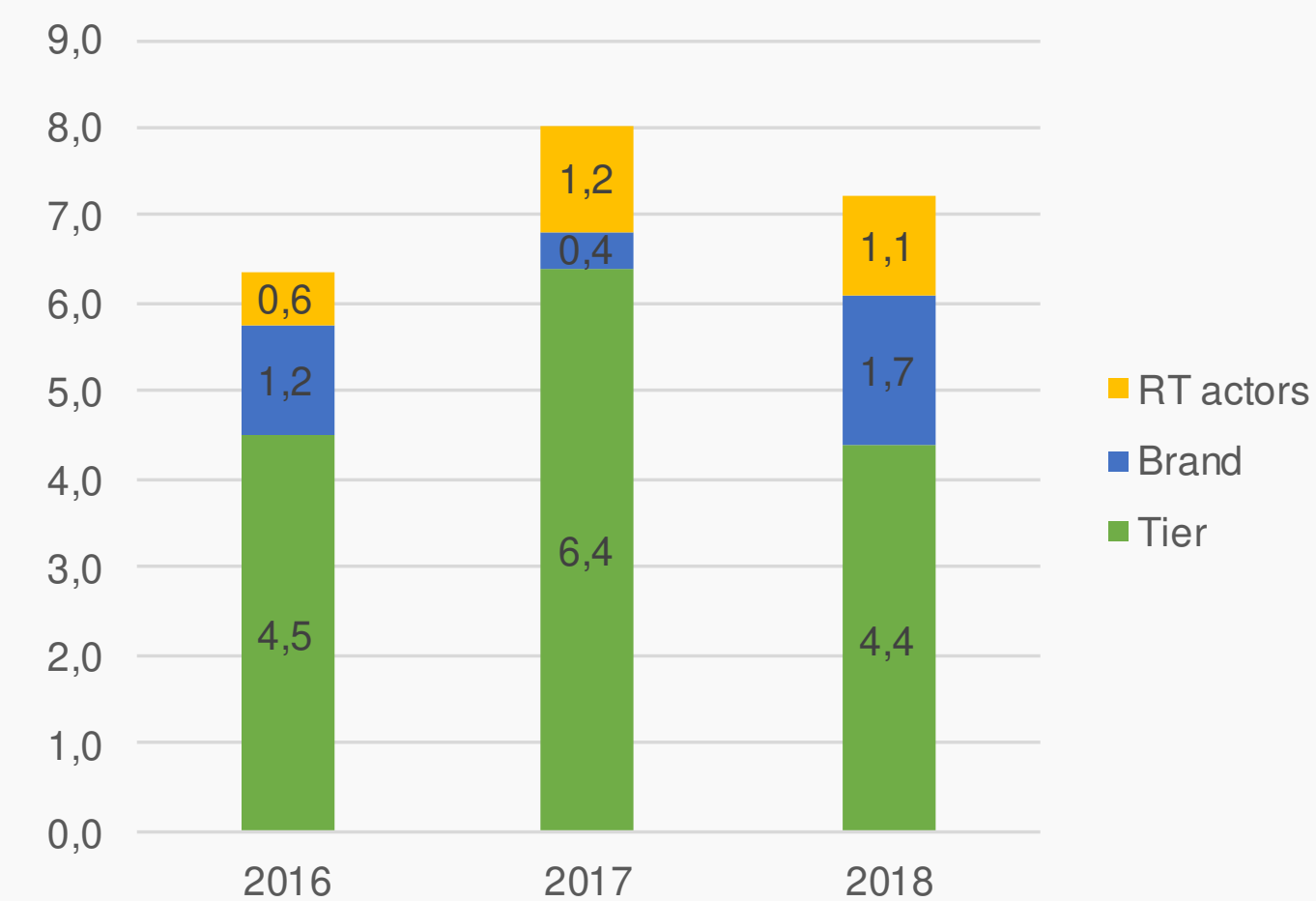
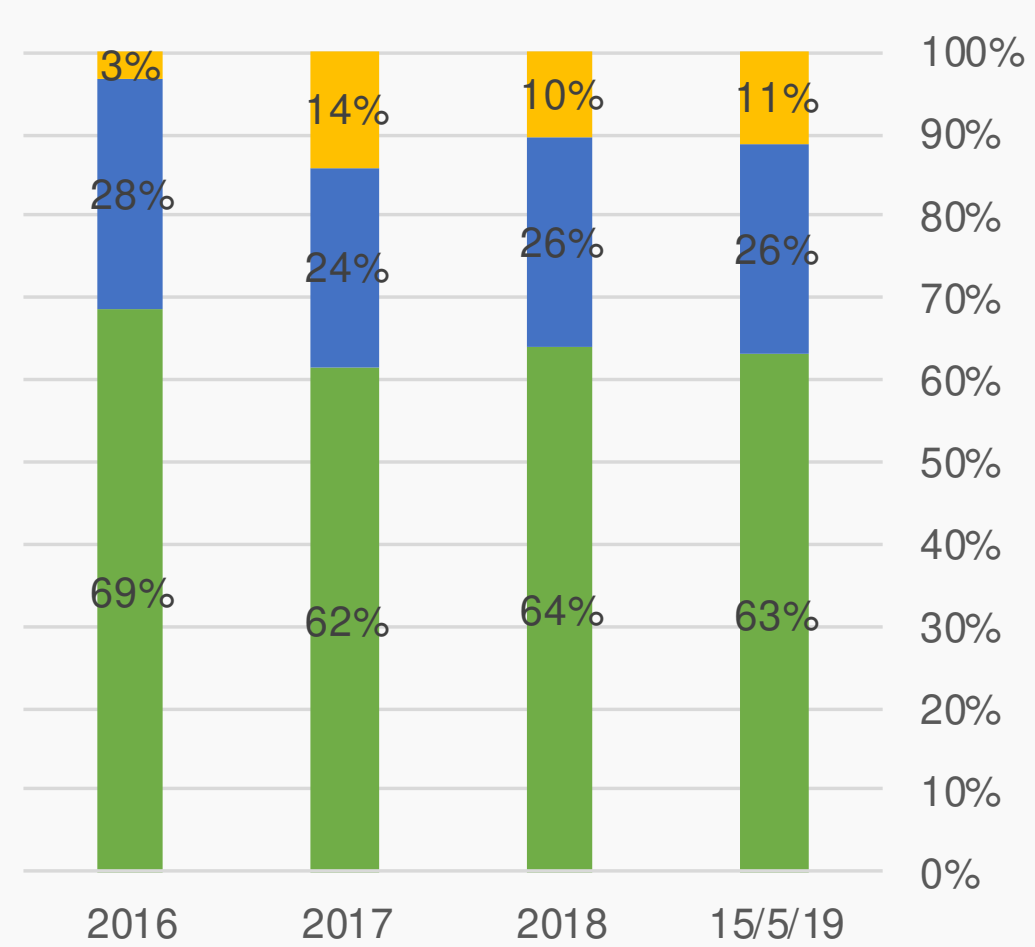
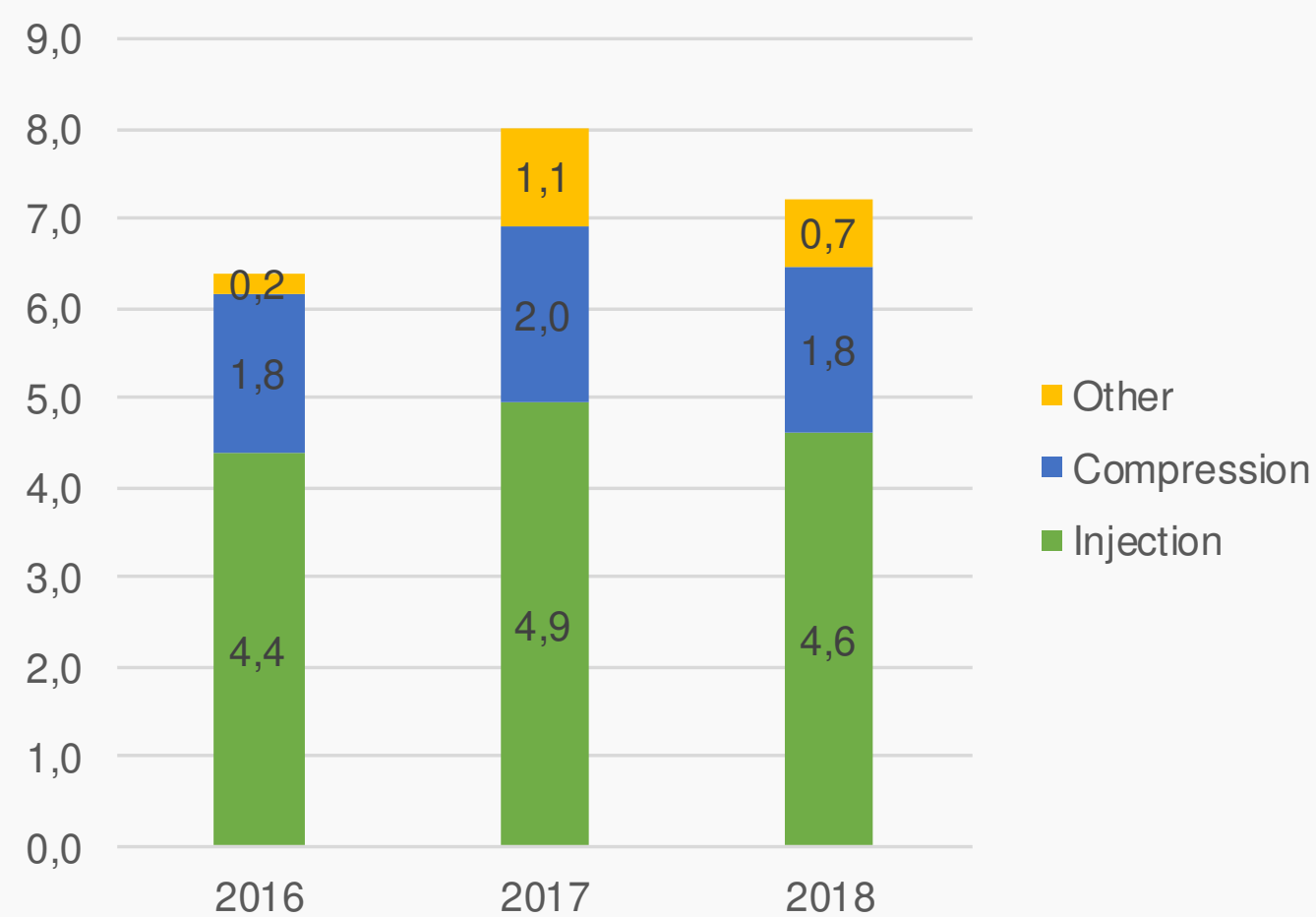
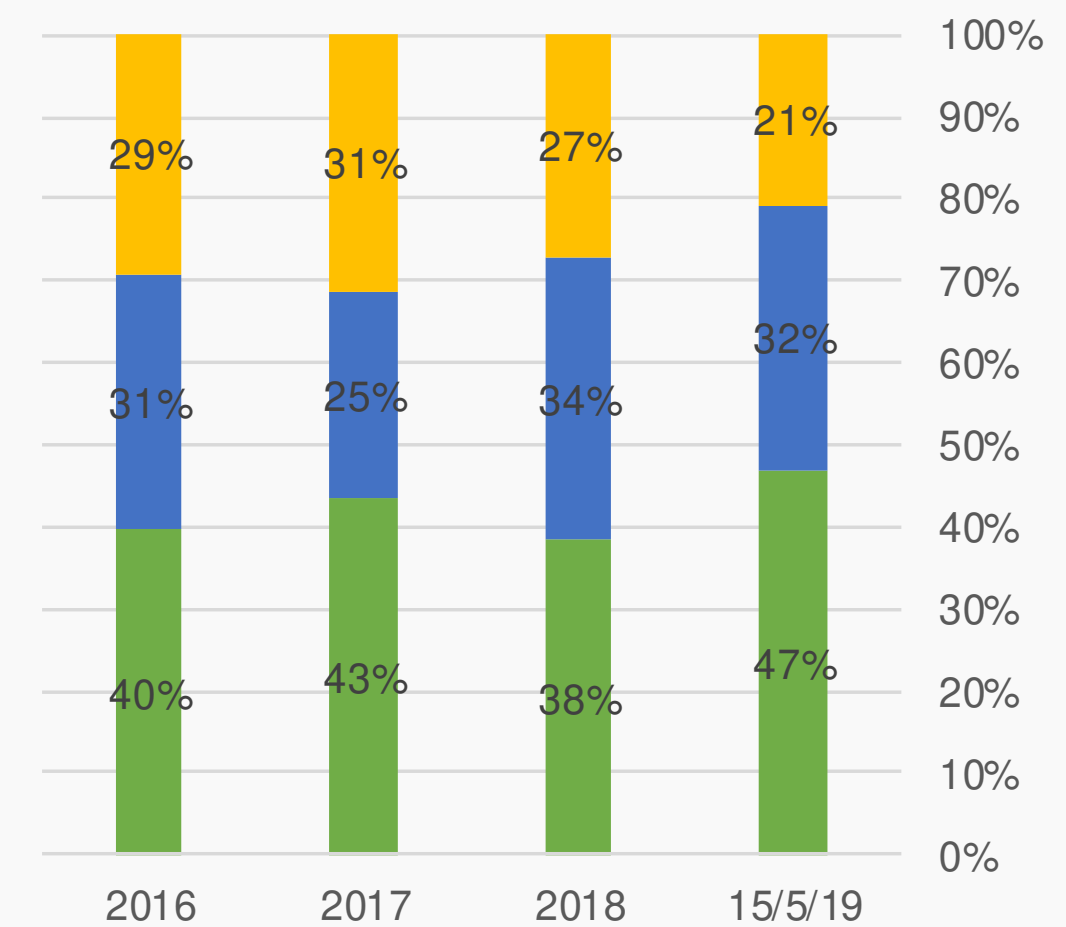
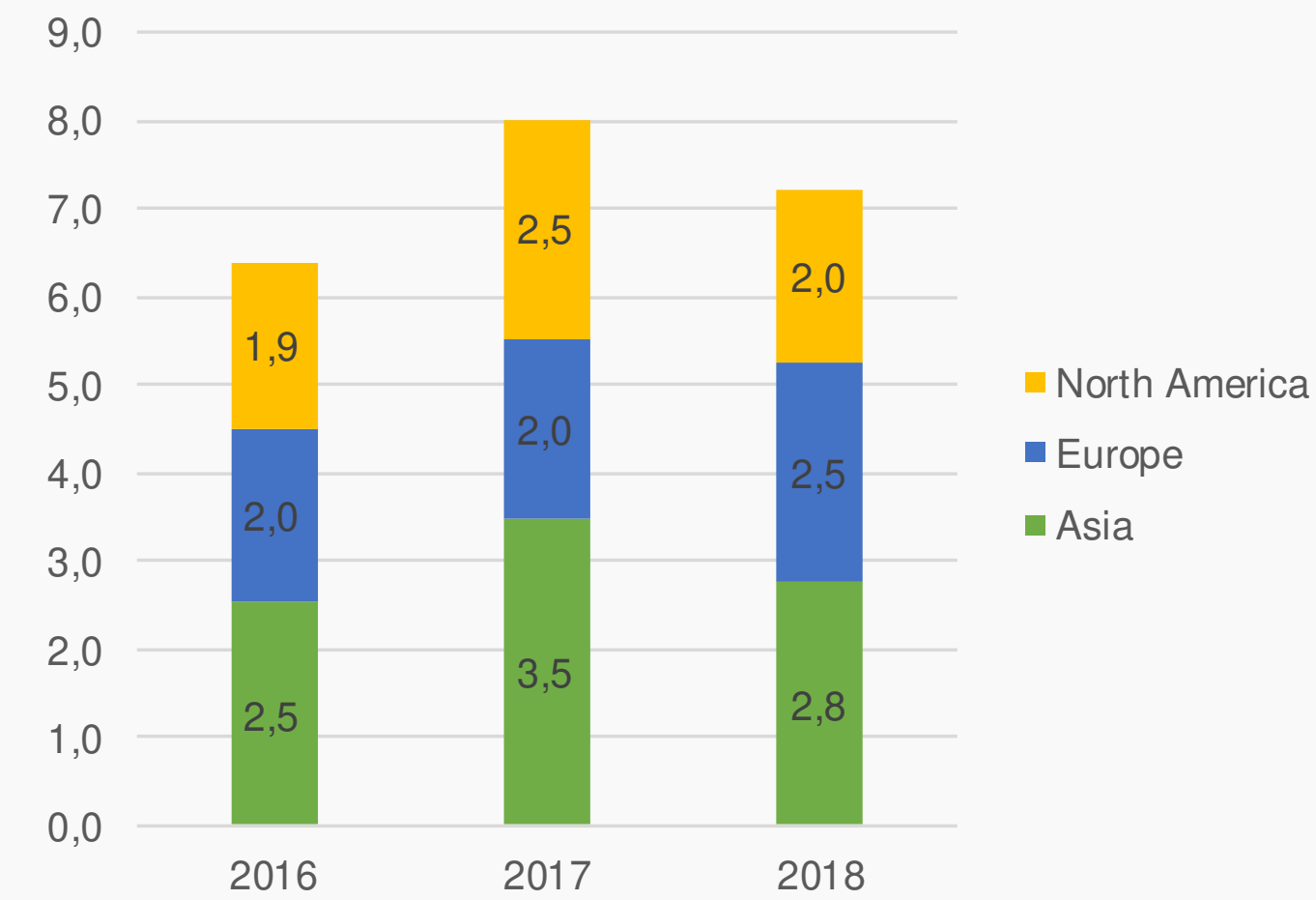
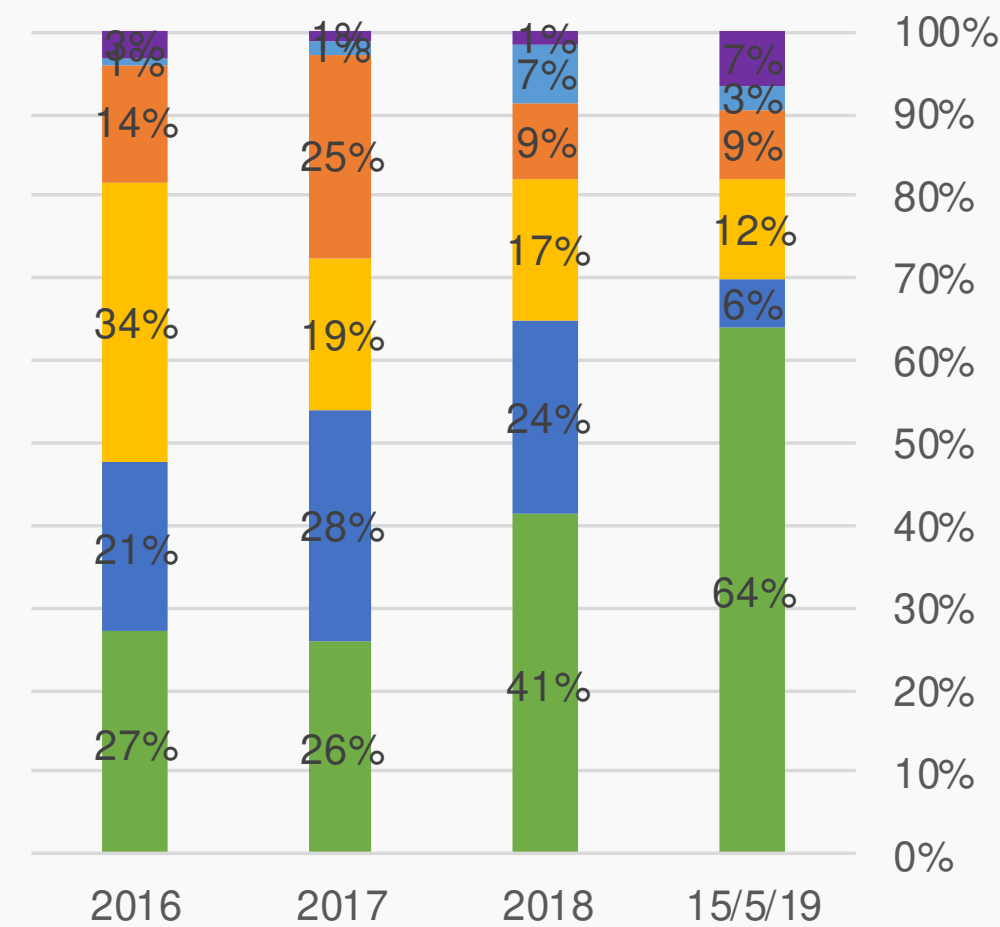
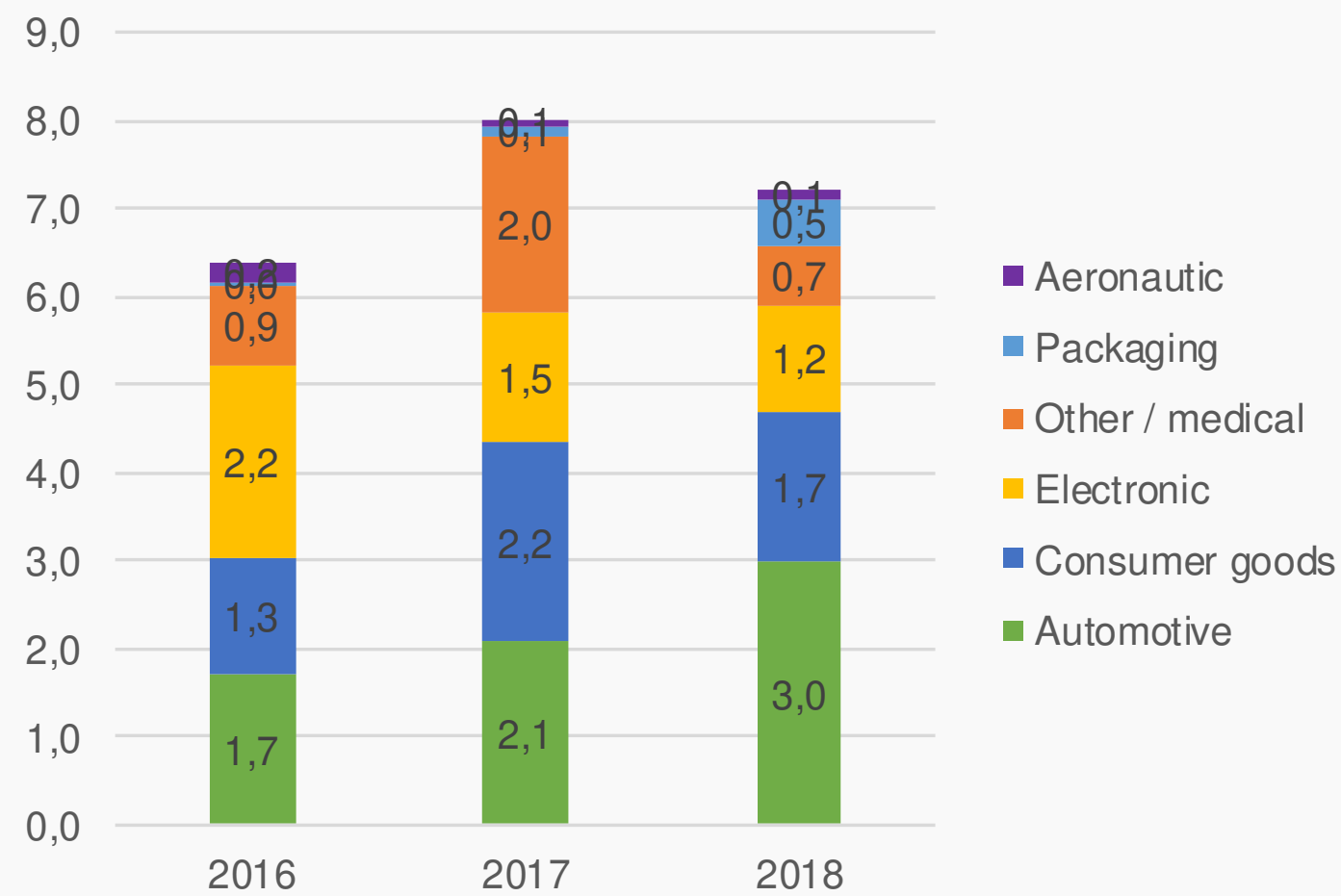


	2016	2017	2018
Feasibilities	250	310	313
# of brands direct clients	12	16	20
# of systems delivered	25	47	30
Revenues €m	6.4	8.0	7.2
# staff	47	58	63
# website visitors	2'500	4'000	4'700
# LinkedIn followers	650	1'125	2'300



2016-2018 revenues

(% for 2019 sales as of May 15th)



Injection & compression quick analysis

Injection

- Larger quantity of projects
- More pressure on equipment pricing
- Less engineering time per project
- Shorter project length (with the exception of automotive)

Compression

- Less quantity of projects
- More budgets available
- Other revenues available (e.g. mold, press)
- More engineering time per project
- Longer project length (including injection automotive)
- Roctool well positioned for high temperature solutions

2018 key events



February

Renewal of the "Innovative Company" qualification for the FCPIs (Common Investment Funds in Innovation), thus confirming Roctool's eligibility for investment by the FCPIs for a new period of three years



April

Participation at Chinaplas (the largest plastics show in China, this year in Shanghai), with a live demonstration on our stand for the realization of a high-performance molding (45 seconds of cycle time) a laptop cover made of 50% polycarbonate fiberglass.



May

Participation at NPE 2018 in Orlando, USA, with 3 live demonstrations to showcase the features and benefits of its patented induction heating technology:

- **On our own stand with a 160 tonne KraussMaffei (German injection machine manufacturer) with a Sphere 3D mold, demonstrating our ability to work with molded molds with highly curved surfaces and to produce shapes molded complexes without defects.**
- **On the KraussMaffei booth, with a 16-cavity mold, each laser textured with multiple finishes to demonstrate the technology's ability to achieve superior surface quality after molding.**
- **On the Milacron booth, combining several technologies ("core-back" as well as "Trexel MuCell"), to obtain a light automotive interior panel section with class A finish.**



June

Completion of a capital increase of € 3.6 million - subscribed with institutional investors - which gave us new funds to:

- **Increase international industrial investment capacity and thus strengthen our presence in key geographical areas, particularly in China via Roctool Shanghai,**
- **Support commercialization efforts to accelerate adoption of Roctool technology to new customers, and**
- **Maintain a research and innovation activity to access new applications for our technologies.**



October

Inauguration of our newest subsidiary Roctool Technology Shanghai's platform of development, customer support and demonstration, in the presence of more than one hundred people (partners customers and prospects)



December

Launch of the exclusive partnership with Amorphous Technologies International, Inc. (ATI) to improve the use of amorphous alloys opening up new manufacturing opportunities: a market with very high potential for both companies.

Roctool Shanghai



**The biggest
investment in Roctool
history
located in Shanghai**



**A skilled team
of 10 people
including Roctool
CTO**



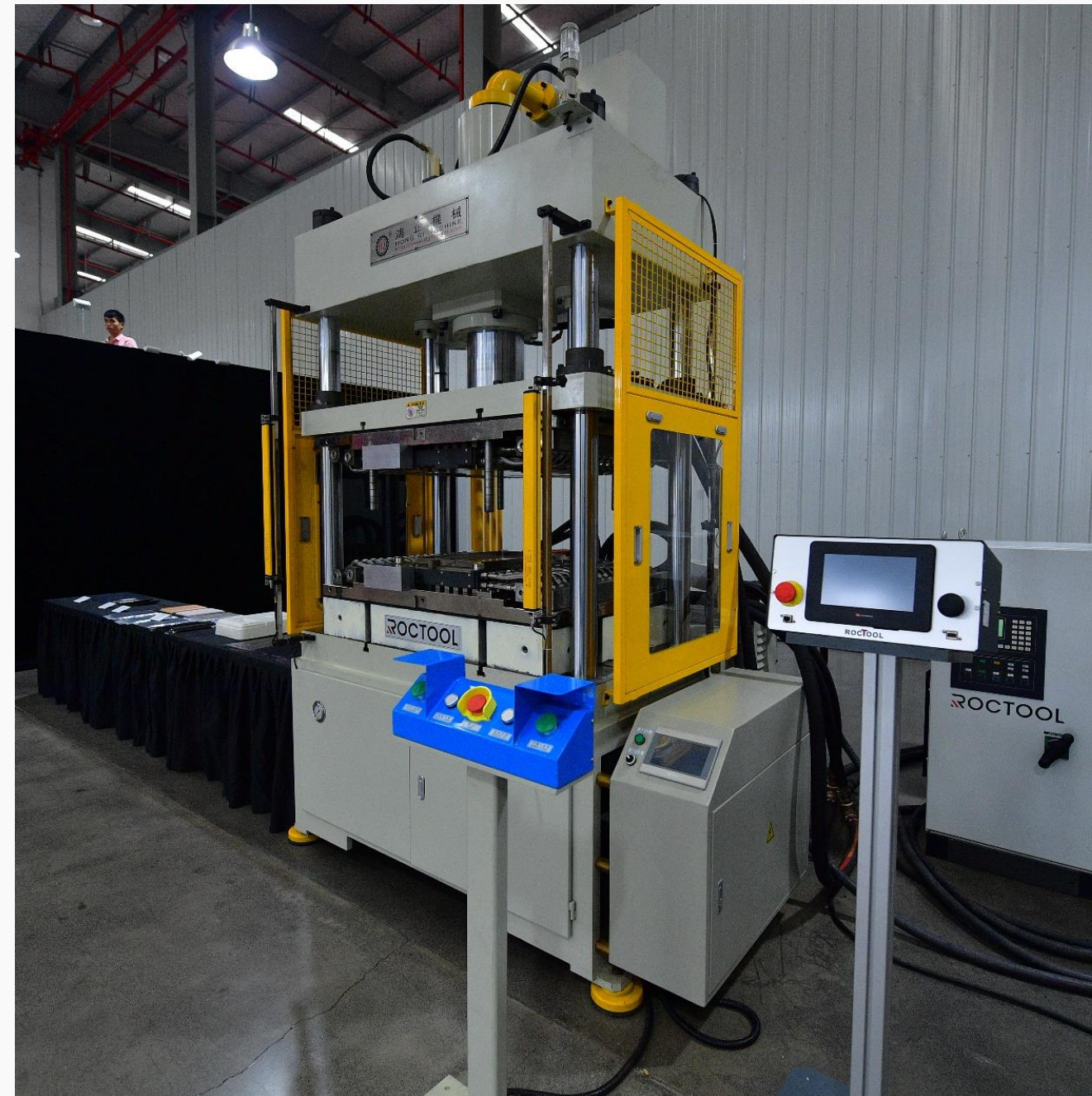
**The largest Roctool
facility
with 2'500 sqm**

Roctool Shanghai

The latest technologies



IDH / Arburg
Complete hybrid
molding system



**Standard
compression**
With high heat
capabilities



**Injection molding
machine**
600 tons KM

Roctool Shanghai

Video

<https://youtu.be/n60KUUAVaNE>

2018 results

	Note	31/12/2018	31/12/2017	Δ
Revenues	6.1	7 209 680	8 032 932	-10%
Capitalized production, provisions write-back, grants, etc.	6.2	818 272	900 811	-9%
Total profits		8 027 951	8 933 743	-10%
Cost of purchases	6.3	2 572 475	3 111 911	-17%
Operational costs	6.4	3 055 671	2 489 880	23%
Taxes	6.5	180 594	136 565	32%
Personnel	6.6	3 747 015	3 426 873	9%
Depreciations and amortizations	6.7	1 007 177	807 697	25%
Total operational costs		10 562 932	9 972 925	6%
EBIT		(2 524 248)	(1 015 066)	-149%
Financial revenues	6.8	84 404	66 202	27%
Financial costs	6.9	147 842	537 910	-73%
Intragroup adjustment		171	2 134	-92%
Intragrou liaison				0%
Financial results		(63 268)	(469 574)	87%
Common operations				0%
Current results		(2 587 516)	(1 484 640)	-74%
Extraordinary revenues	6.10	67 282	28 709	134%
Extraordinary costs	6.11	164 093	120 769	36%
Intragroup adjustment		(37 313)		0%
Intragrou liaison				0%
Extraordinary result		(134 124)	(92 060)	-46%
Income taxes	6.12	(32 162)	(11 589)	-178%
Net result		(2 689 477)	(1 565 111)	-72%

Assets	31-Dec-18	31-Dec-17	Δ
Uncalled capital			
Goodwill			
Intangible assets	1 754 182	1 614 370	9%
Tangible assets	961 927	404 308	138%
Financial assets	184 700	159 682	16%
Equity affiliates			
Fixed assets	2 900 809	2 178 361	33%
Inventory	1 029 433	941 520	9%
Accounts receivable	2 918 671	3 704 572	-21%
Deferred taxes	62 339	29 533	111%
Other receivables	918 205	1 416 371	-35%
Marketable securities	599 146	254 000	136%
Cash	3 267 991	1 690 874	93%
Current assets	8 795 784	8 036 870	9%
Total assets	11 696 593	10 215 231	15%
Liabilities	31-Dec-18	31-Dec-17	Δ
Capital	780 551	670 076	16%
Share premiums	16 198 732	12 841 352	26%
Revaluation reserve			
Loss carried forward	(7 472 950)	(5 991 868)	-25%
Net result	(2 689 477)	(1 565 111)	-72%
Equity	6 816 856	5 954 450	14%
Minority interests			
Other equities			
Goodwill			
Provisions	144 729	471 055	-69%
Provisions	144 729	471 055	-69%
Financial debt	2 139 908	1 660 044	29%
Accounts payable	1 865 395	1 422 154	31%
Other debts	729 705	707 529	3%
Debts	4 735 008	3 789 727	25%
Total liabilities	11 696 593	10 215 231	15%

Three types of customers

Major global brands (15%)



Main target of our strategy: they are a priority for us as direct decision makers

Subcontractors (70%)



Our main customers and they serve the OEMs

Main stakeholders in our industry (15%)



- Mould makers that integrate our engineering in mould making
- Press manufacturers, namely the equipment on which Roctool's technology is installed
- Materials manufacturers which can create more materials and collaborate with us per segment

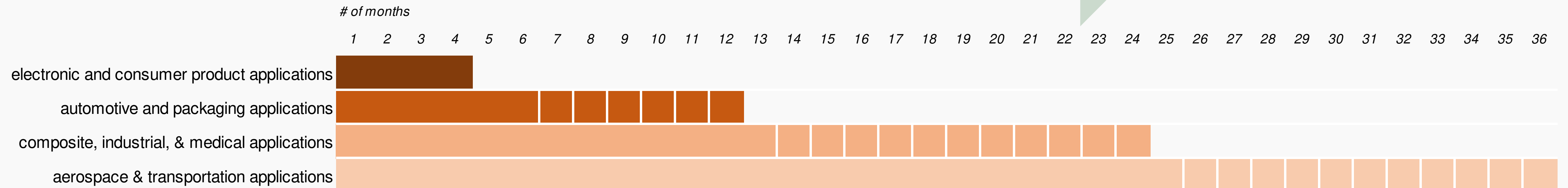
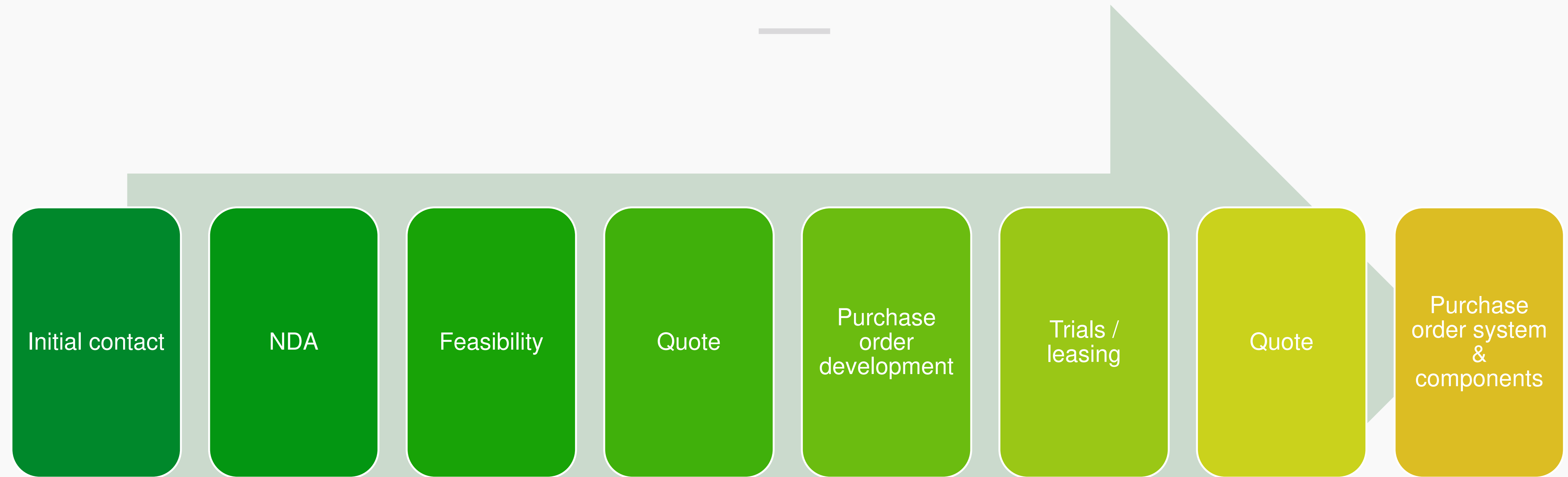
Sales channels



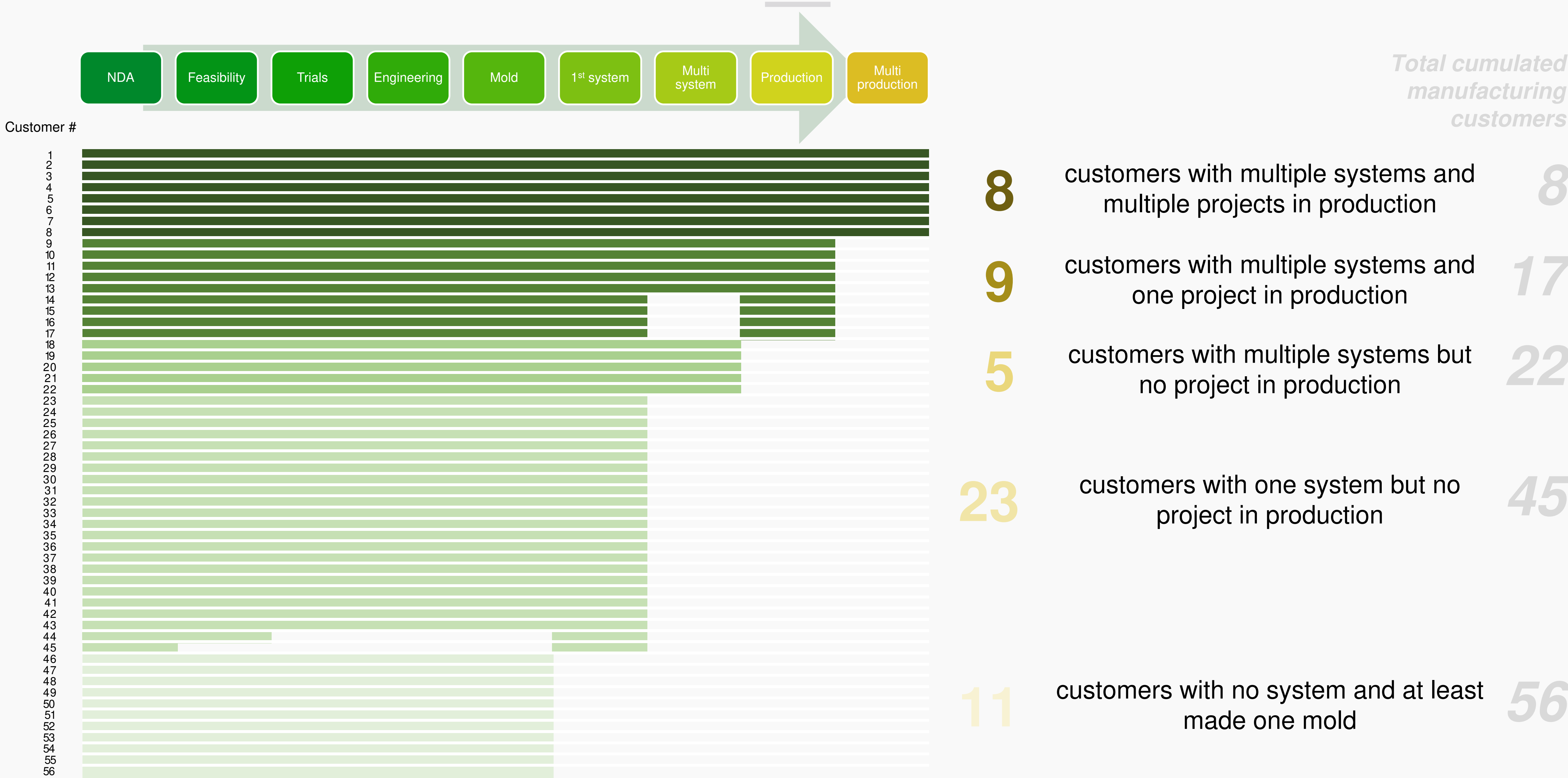
- Almost all sales are realized directly
- 1st positive results in Korea with local agent
- 3 agents contracted in the Americas

N.B. % average total revenues 2017 & 2018

Customer decision process



Project steps



Sectors





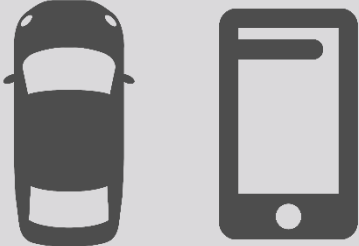





N.B. % average total revenues 2017 & 2018

Research & Innovation

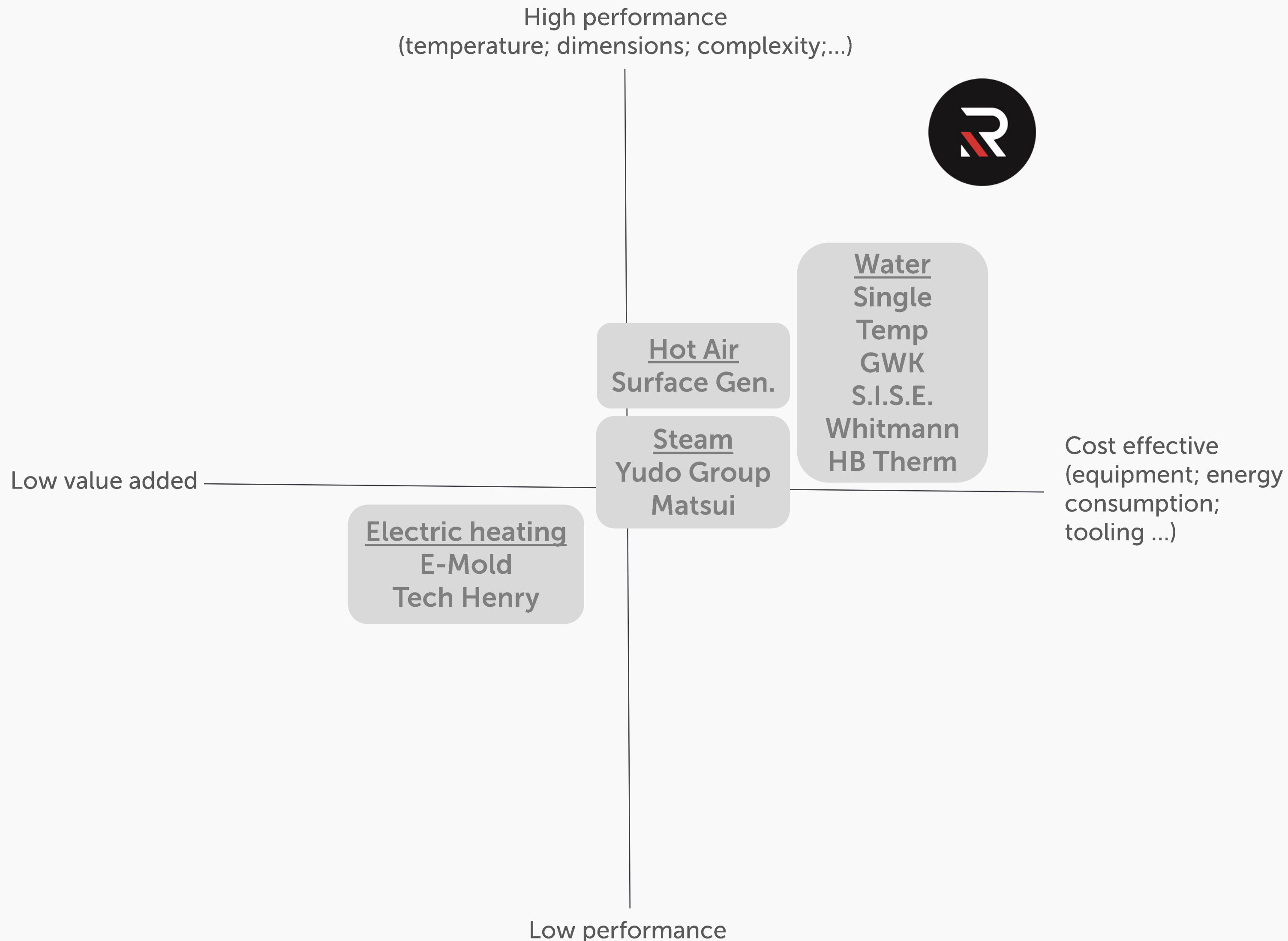
Adaptation of Roctool technologies to new processing methods and new materials

(R&I investment roughly 5% of sales)

1st sales realized

Light Induction Tooling TM	▶ Composite molding		
Induction Dual Heating TM	▶ Hybrid plastic injection Composite molding		
Metal	▶ Thyxomolding Amorphous alloys		
Blow molding	▶ Injection stretch blow molding		
Radiation heating	▶ Plastic injection Composite molding		
Connections	▶ All		

A disruptive technology



► Direct competitors

- An established market dominated by the use of conventional moulding technologies that do not use Heat and Cool technology and with/without the use of secondary operations such as IML (In-Mould Labelling), IMD (In-Mould Decoration), or painting
- Stakeholders in Heat and Cool technology: although our technology has proven itself in terms of performance and is far ahead of the others, these competitors can compete especially with regards to pricing

► Indirect competitors

- Among our indirect competitors, there are those which are developing:
- New materials which do not need an efficient moulding process
 - New production technologies
 - Cheaper secondary operations

A UNIQUE TECHNOLOGY LEADING THE MARKET IN TERMS OF TECHNICAL AND COST EFFECTIVE PERFORMANCE

A disruptive technology

	Roctool solutions	PRESSURISED HOT WATER	STEAM	CERAMIC	ELECTRIC CARTRIDGES
HEATING SPEED	➡Up to 25°C per sec.	➡Up to 10°C per sec.	➡Up to 10°C per sec.	➡Up to 20°C per sec.	➡Up to 6°C per sec.
MAXIMUM TEMPERATURE	➡No limit	➡160°	➡180°	➡None limit	➡350°C
ENERGY CONSUMPTION	➡Low	➡Average	➡Average	➡Average	➡High
MORE THAN ONE TEMPERATURE IN THE SAME MOULD	✓	✗	✗	✗	✗
HEATING SURFACE	➡One or two sides, 3D surfaces	➡One side, flat surfaces	➡One side, flat surfaces	➡spot heating	➡One or two sides, flat surfaces
MOULD SIZE	➡1 cm ² - several m ²	➡Up to 0.5 m x 0.5 m	➡Up to 0.5 m x 0.5 m	➡Diameter 2.54	➡Up to 0.5 m x 0.5 m

Roctool platforms

Existing platforms fully equipped with Roctool technology



Intellectual property

100% owned by Roctool S.A.

22

Patent
families

190

Patents
filings

22

Countries
covered

50%

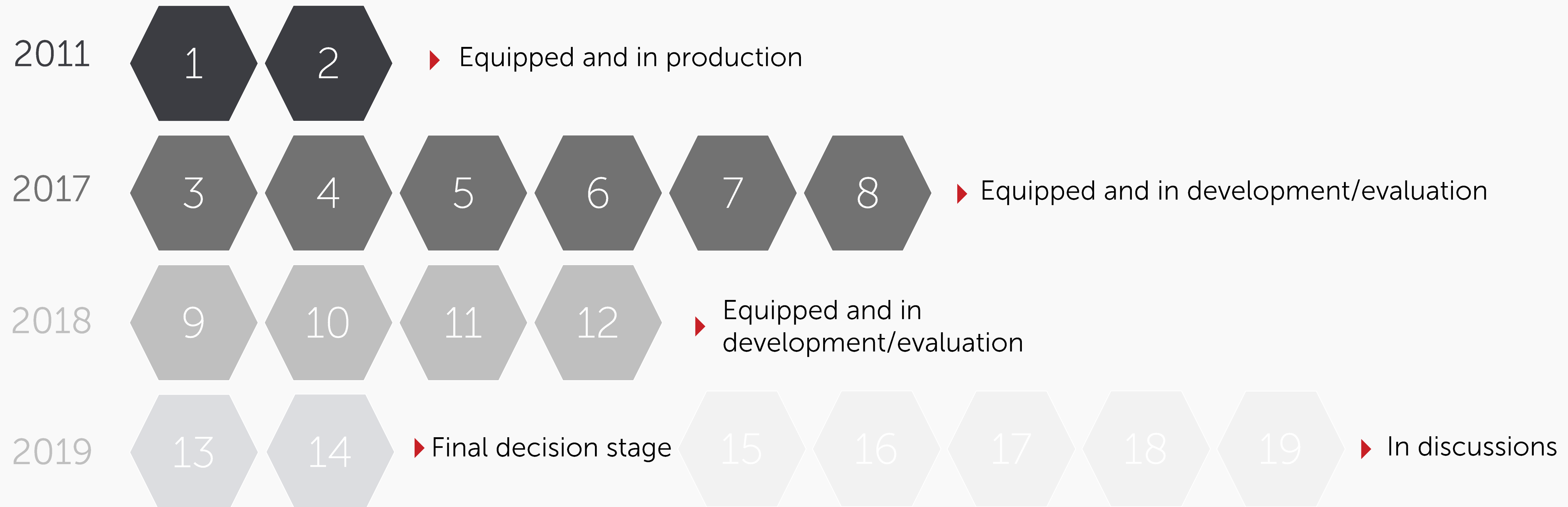
Of patents
expiring after
2030

Know-How

- 2D AND 3D THERMAL SIMULATION
- ELECTROMAGNETIC INDUCTION SIMULATION
- TOOL DESIGN
- MOLDING PROCESS OPTIMIZATION
- HEAT AND COOL PROCESS PARAMETERS
- FLOW ANALYSIS
- SURFACE QUALITY IMPROVEMENTS
- CYCLE TIME REDUCTION VS. CONVENTIONAL

Increasing Roctool users in China

List of manufacturers equipped with Roctool systems



Roctool Shanghai to reach top US brands



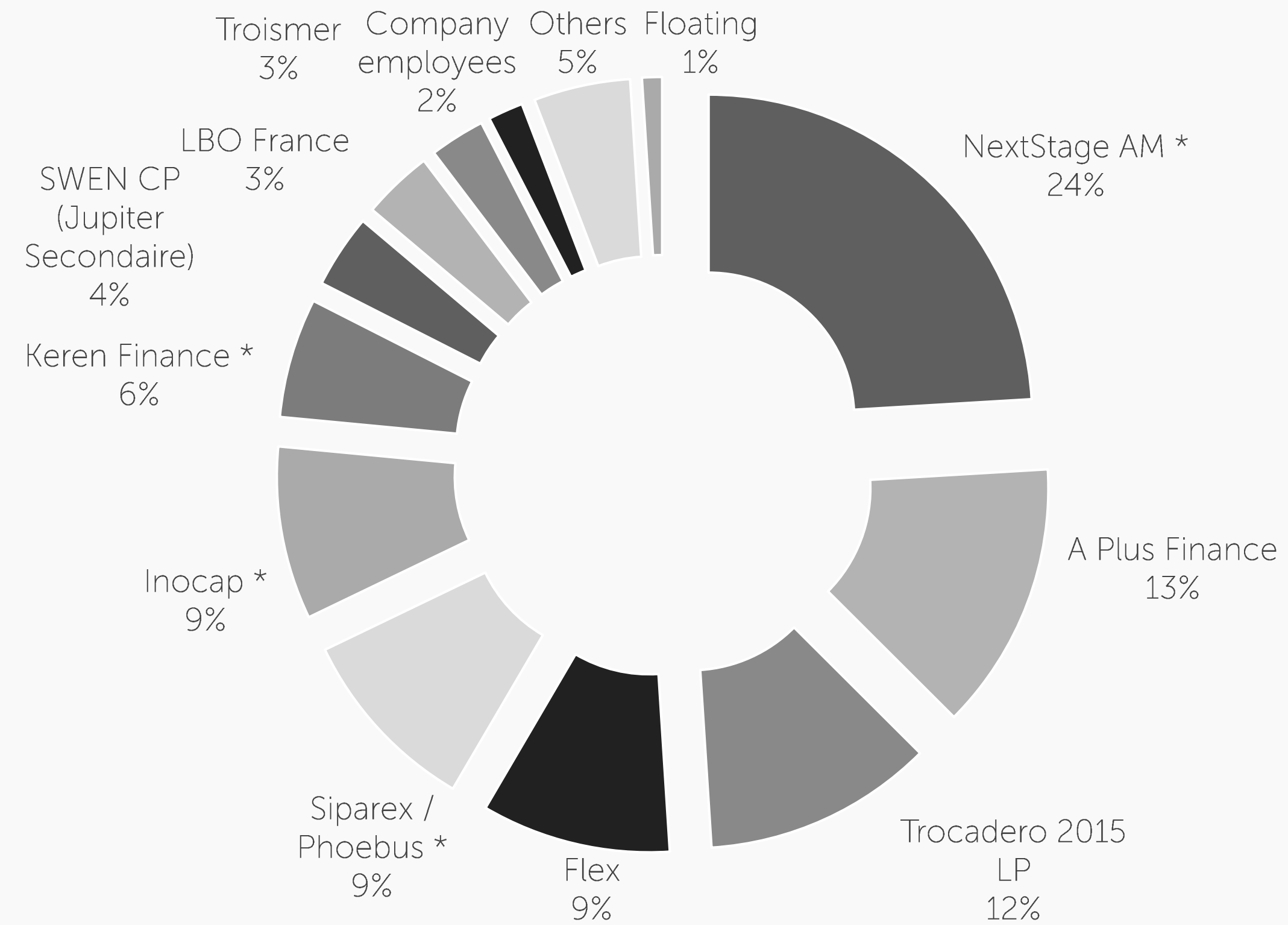
Why invest in Roctool

01. High potential for growth and solid capabilities to capture value
02. Roctool revolutionizes rapid molding processes for composites, plastic injection and metal
03. Technology and process protected by over 22 patent families over 22 countries
04. Important potential of the addressable markets (multi billion plastics, composites, and metal industries)
05. Sustainable technology as highly effective for thermoplastic materials and sustainable solutions

MAKE ROCTOOL TECHNOLOGY
THE INTERNATIONAL REFERENCE
FOR MOLDING

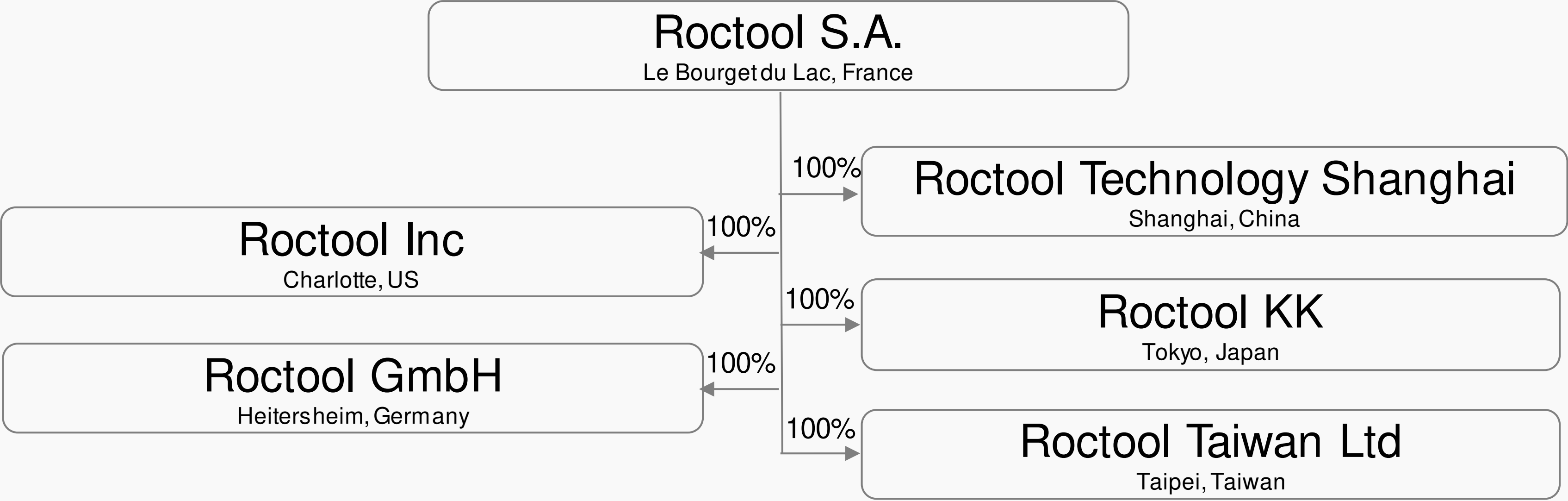
Shareholders

Not diluted, as of March 2019



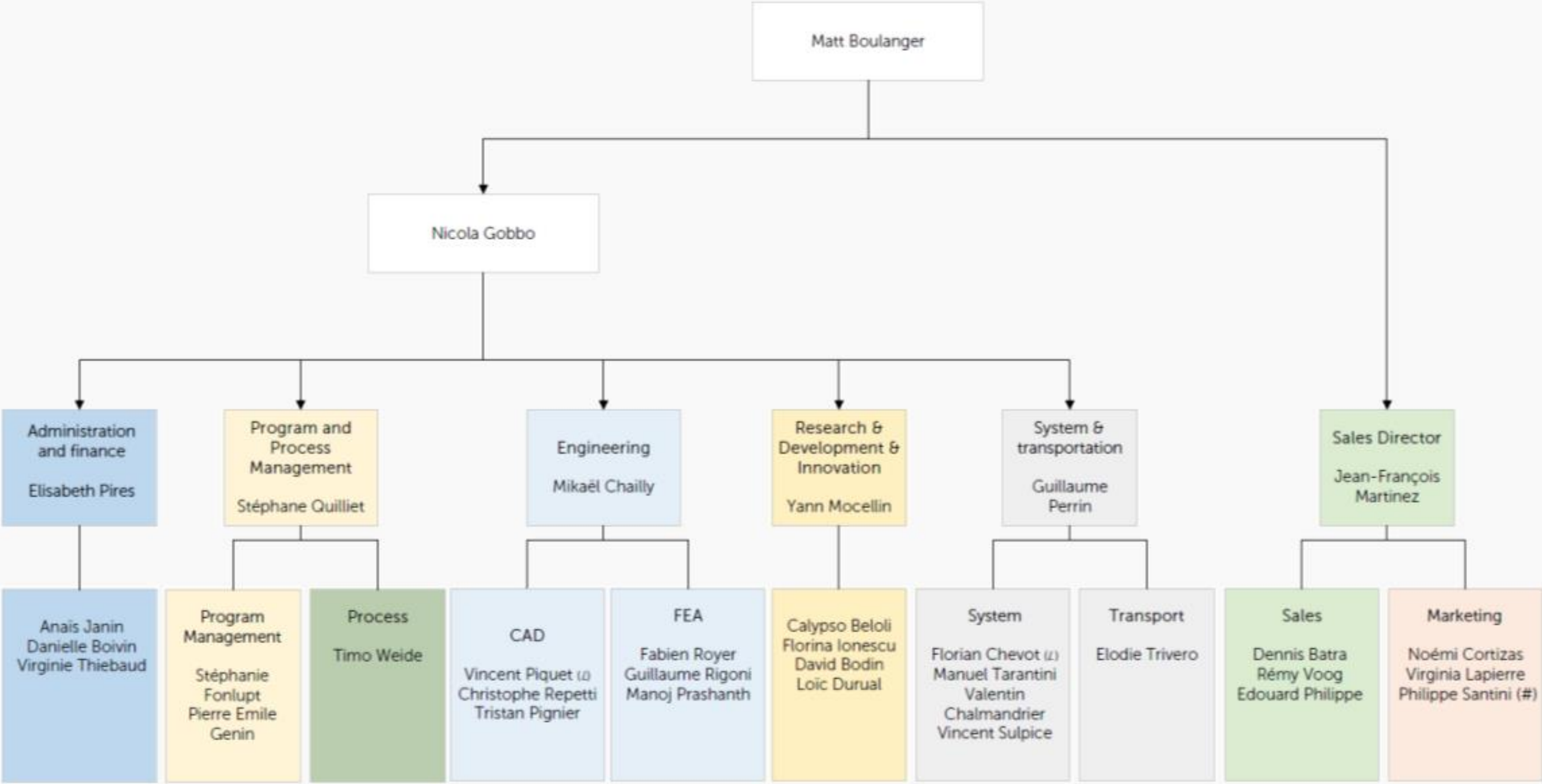
* estimated

Roctool group



Organization

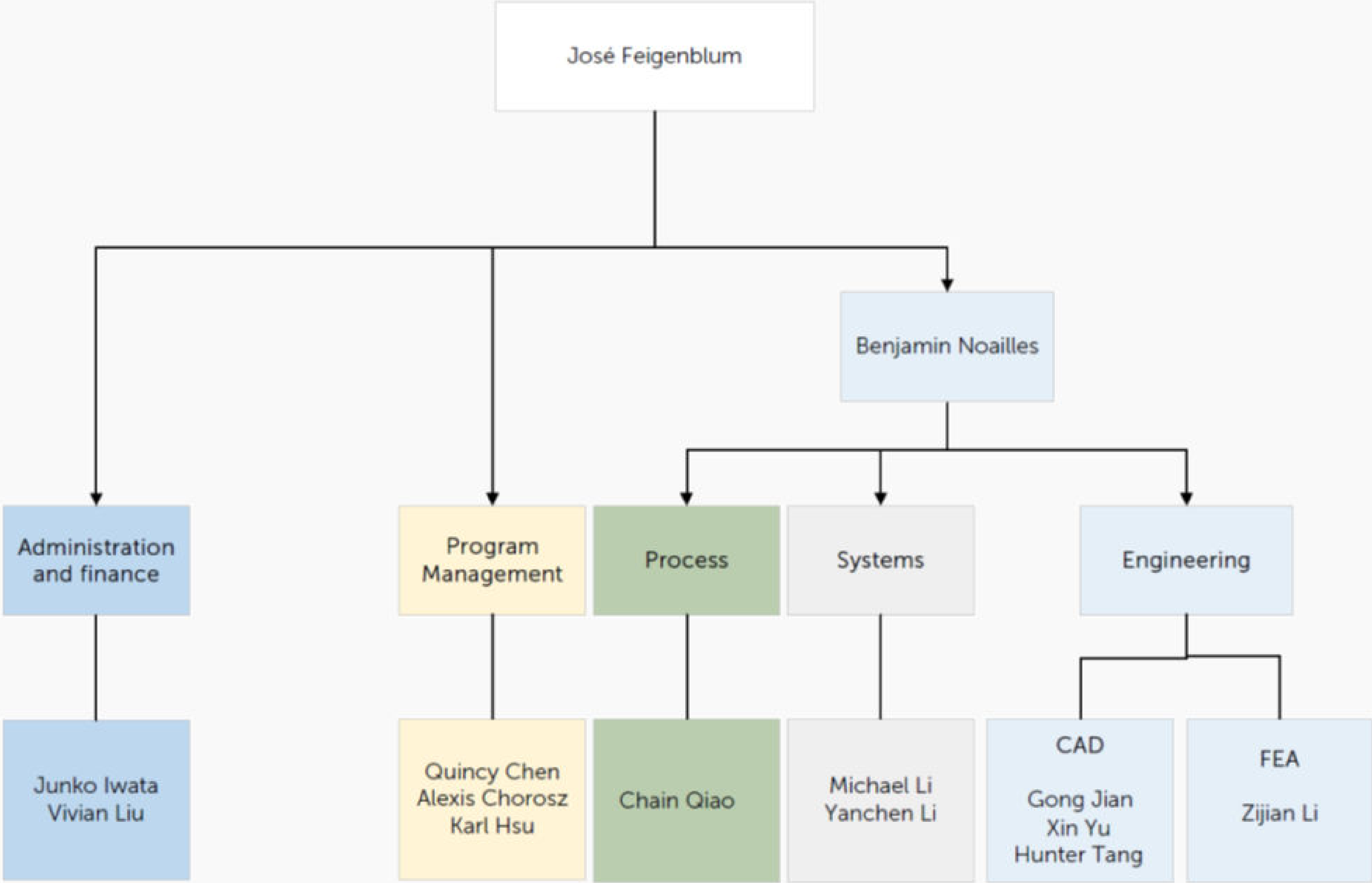
Roctool Europe



* : Open position
: Consultant
L : Leader

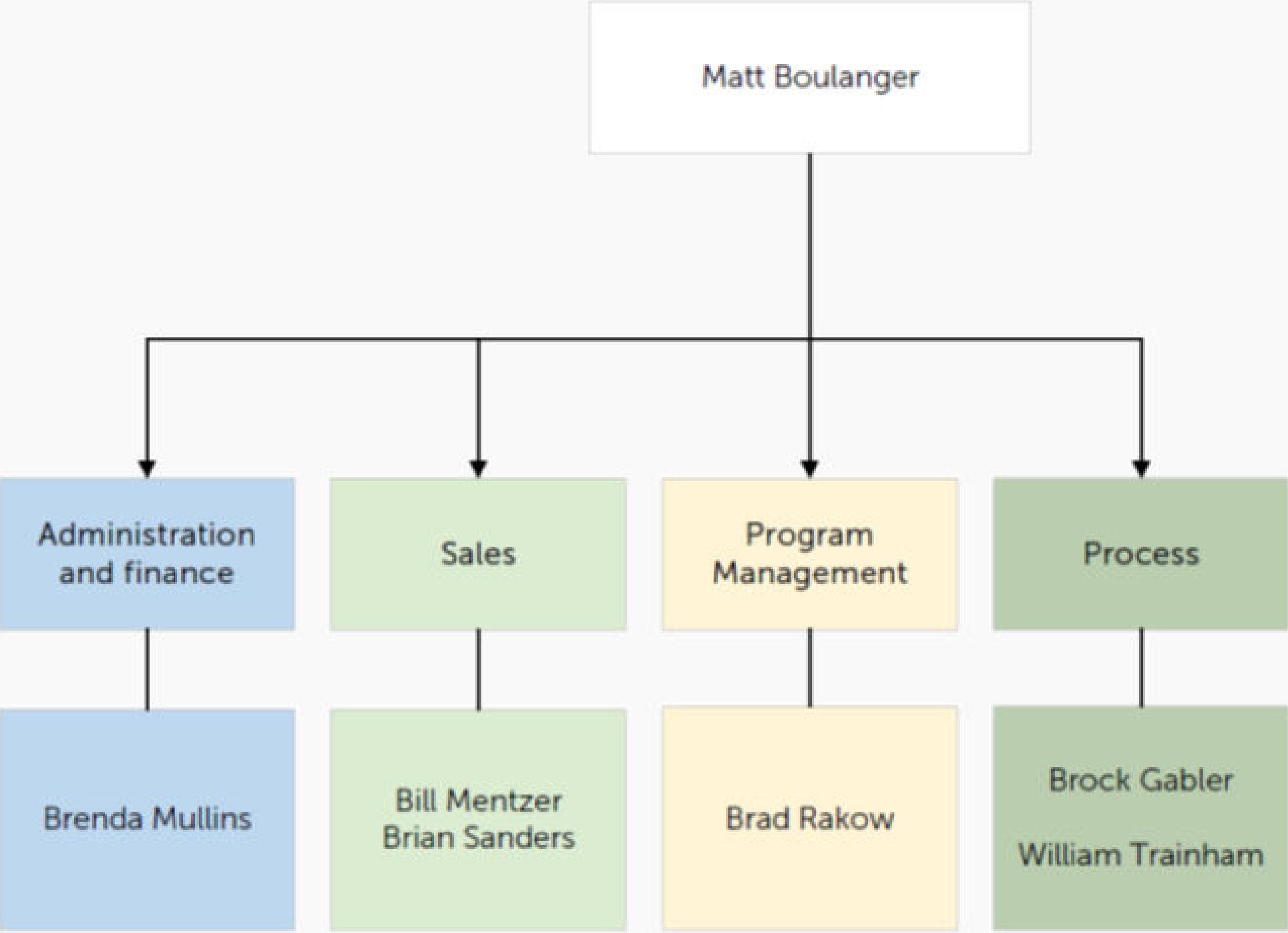
Organization

Roctool Asia



Organization

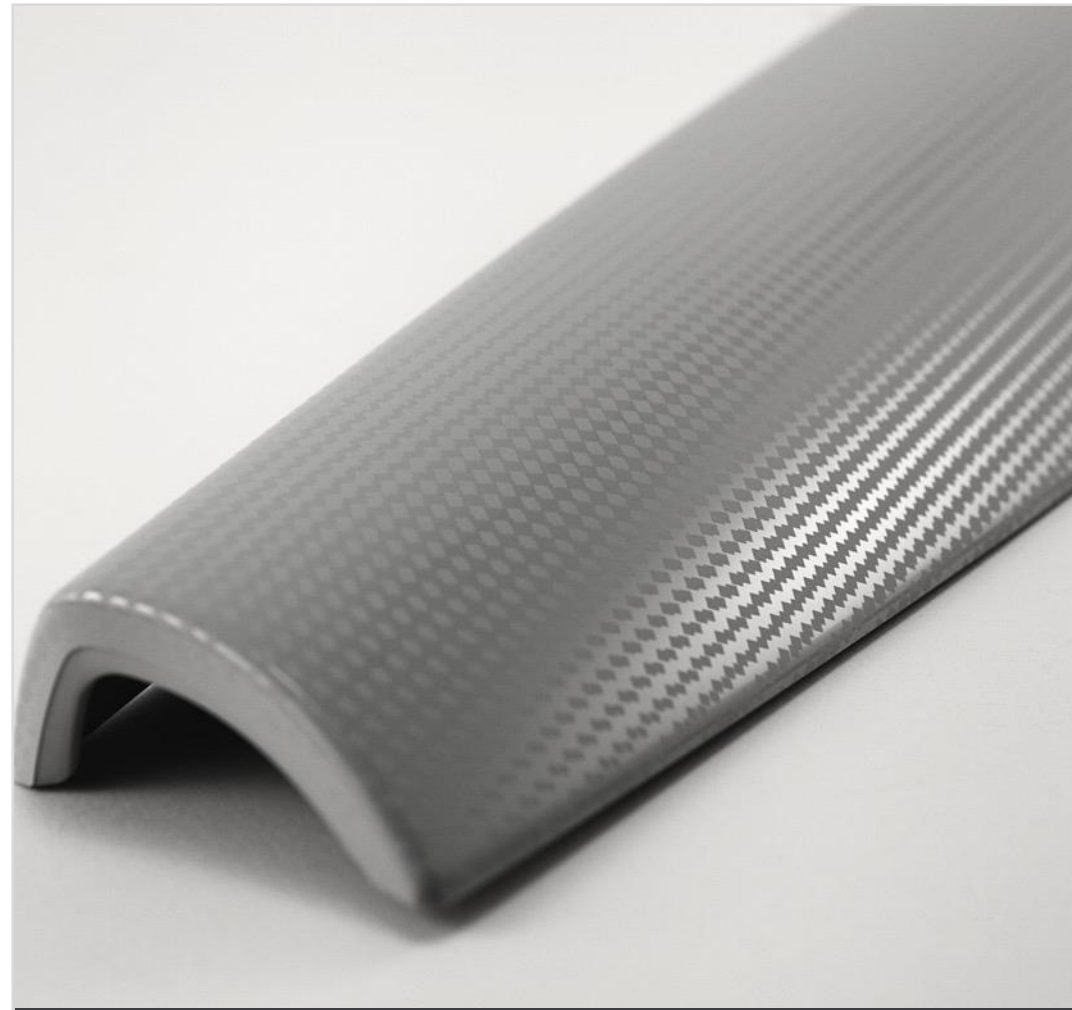
Roctool Americas



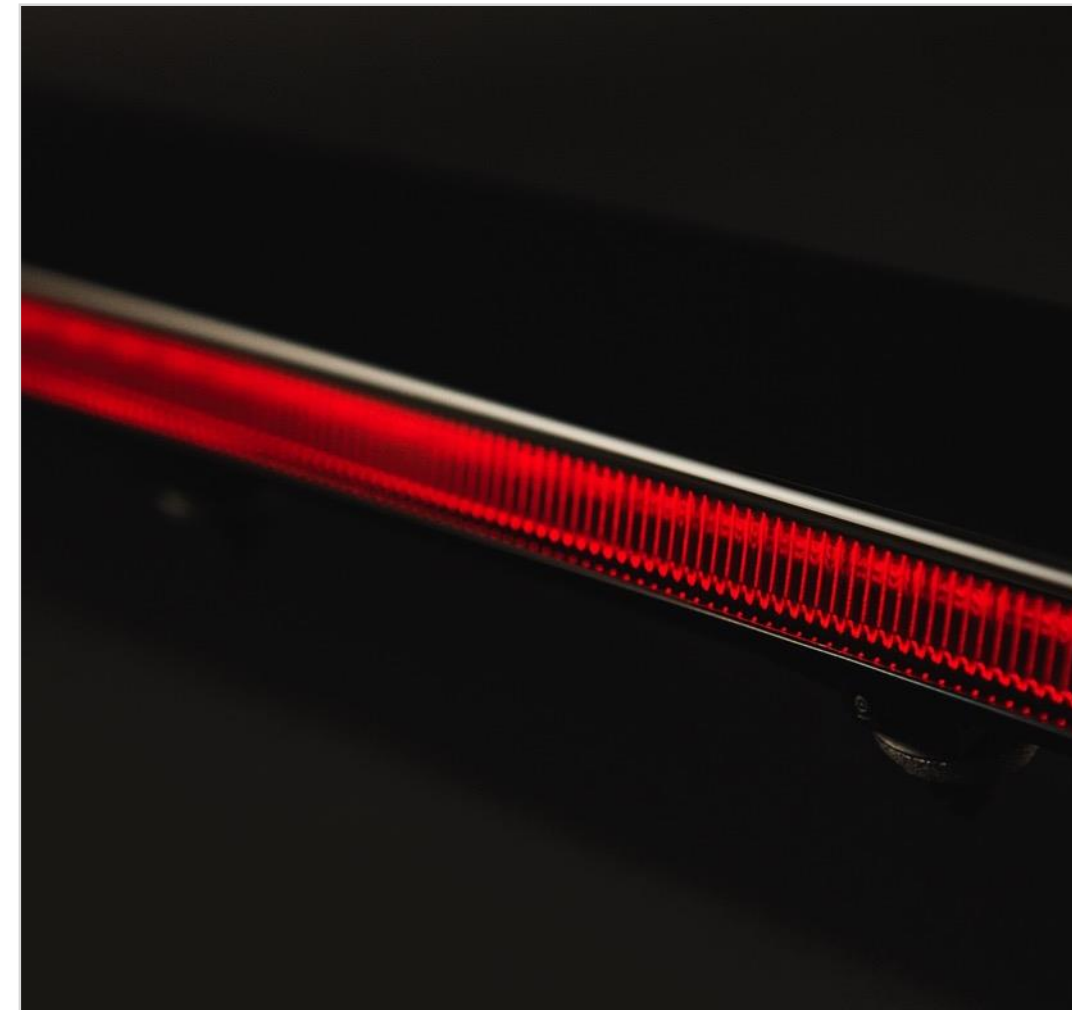
The finest plastic surface



- REduce SECONDARY OPERATIONS
- ELIMINATE VISUAL DEFECTS
- REDUCE PART'S CARBON FOOTPRINT
- UNPARALLEL SURFACE QUALITY
- UNLIMITED SURFACE DESIGN
- PRECISE SURFACE REPLICATION
- FLOW LENGTH INCREASE
- THIN WALL APPLICATION



LAZER FINISHES
NO PAINT



2K AUTOMATED
PROCESS



MATT &
GLOSS / NO PAINT



FUNCTIONAL
TEXTURE



NO
PAINT



NO
PAINT



NO MORE
FLOW MARKS

Automotive
applications
advantages





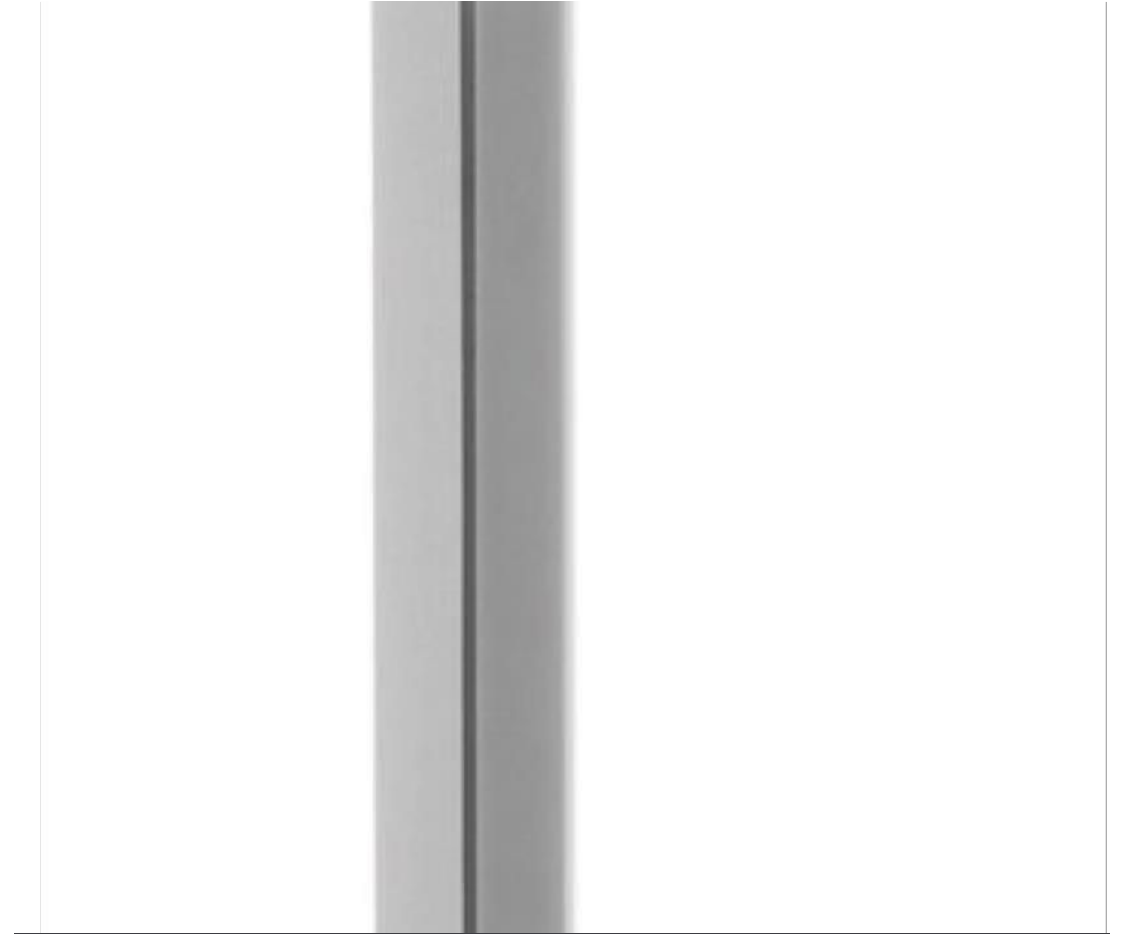
INTENSE
BLACK / NO PAINT



FIBER REINFORCED
NO PAINT



NO
PAINT



THIN
WALL



MOLD IN
COLOR



GENUINE
FINISH



A CLASS
TP CARBON

Electronics
& consumer
products
advantages



Transportation applications advantages



A CLASS
TP CARBON



TP CARBON
FRAME



TP SEAT
STRUCTURE

Other applications advantages



NO
PAINT

ELECTRONIC E-CIGARETTES

HIGH HEAT
OVER MOLDING



TP AND
NATURAL FIBERS

Sustainable Material Solutions

Roctool Technology makes it possible

BIO SOURCED PLASTIC & COMPOSITES

Cork / Wood / Linen /
Bamboo / Stone /
Banana / Paper / ...
Up to now we have
tested more than 10
different bio-source
materials with really
positive results.



ROSEWOOD



STONE POWDER

RECYCLING FINISHED LIFE PRODUCTS

Transform in fibres,
powder or any other
format, all products
who are not useful or
discarded to give them
a second life.



**CARBON
FIBER**



**DISCARDED
CLOTHES**

ABS RECYCLED RESINS

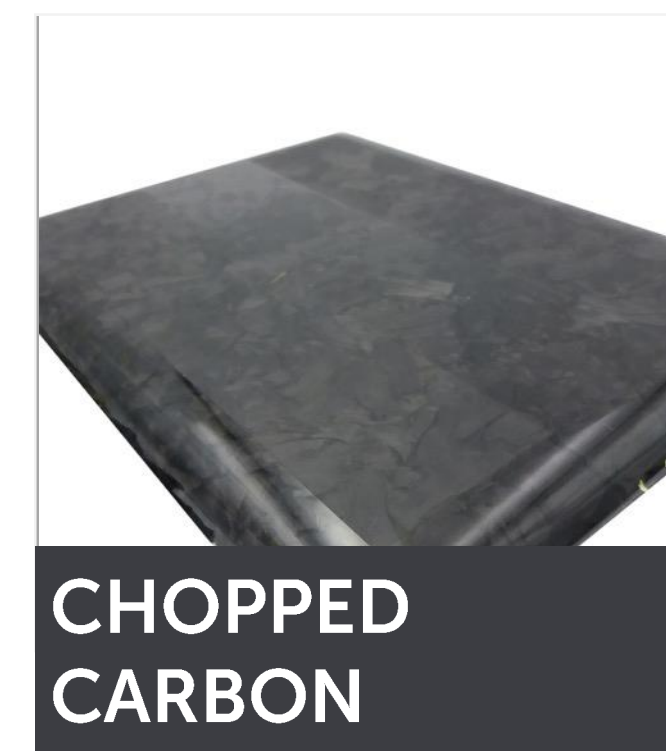
+ Other recycled resins
has been tested
including PP / PP+wood
/ PP+shell / Durabio +
Cellulose base materials



ABS RECYCLED

UPCYCLING: HOW TO REUSE OTHER INDUSTRIES WASTE

Use other industries by-
products or waste to create
new products.
Thanks to Roctool we can give
value to this normally discarded
materials which are also a way
of contaminations.



**CHOPPED
CARBON**



**FISH
SKIN**

Plastic injection

Video

<https://youtu.be/01z6jQ0DZ2c>

Compression

Video

<https://youtu.be/jC2nbS4cvpg>

LIT – Light Induction Tooling

Video

<https://youtu.be/j8LyVaCYR3c>

IDH – Induction Dual Heating

Video

<https://youtu.be/xcUvWti93XQ>



ROCTOOL

MOLDING MATTERS.