



Asset Valuation Seminar

12th of June 2018

rb RITCHIE BROS.
Auctioneers

IRON
PLANET

.MASCUS

Marketplace
An IronPlanet solution

Agenda

12:45 - **Welcome with sandwich lunch**

13:30 - **Asset risk management, the impact of asset valuation on Equity**
by Jean-Paul van Grinsven (ING Lease)

14:15 - **Circular leasing proposition, the lease of pre-used assets (do's & dont's)**
by Frits Engelaer (DLL Group)

15:00 - **Break**

15:30 - **Introduction Ritchie Bros.**
by Christian Sonnevill (Ritchie Bros.)

15:45 - **Asset Valuation tools for Portfolio & Asset management**
by Rickard Krøtø and Johan Lustig (Mascus International)

17:00 - **Q&A and closure**

17:30 - **Drinks & snacks offered by Ritchie Bros. (until 18:45)**

Approaching asset valuation

And impact on equity

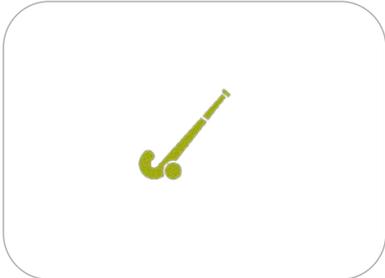
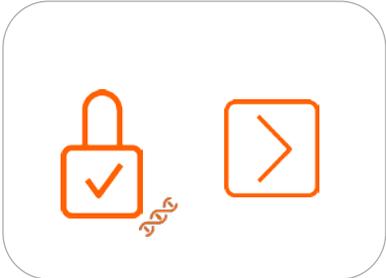
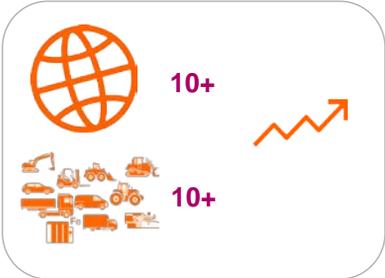
Jean-Paul van Grinsven

NVL – BLA seminar, Zevenbergen 12-6-2018

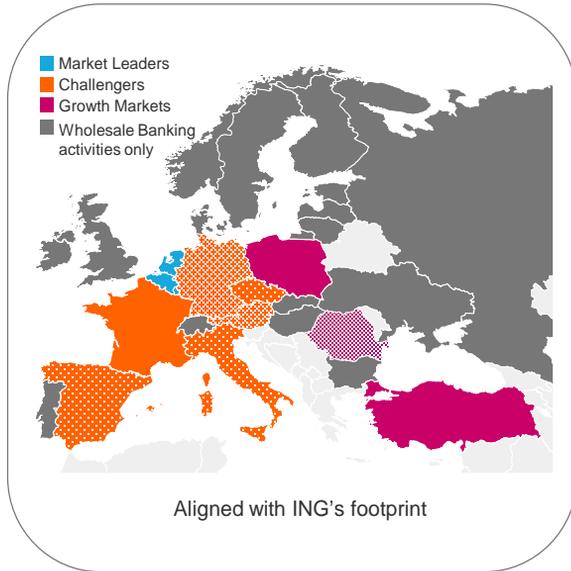
leasing



About me



About leasing within ING



Offering		BE	FR	LU	NL	PL	TR
Asset	Wheels	✓	✓	✓	✓	✓	✓
	Equipment	✓	✓	✓	✓	✓	✓
	ICT	✓	✓	✓	✓	✓	✓
	Real estate	✓				✓	✓
Tickets	Small	✓		✓	✓	✓	
	Mid	✓	✓	✓	✓	✓	✓
	Big	✓	✓		✓	✓	✓
Segment	Corp	✓	✓	✓	✓	✓	✓
	MidCorp	✓		✓	✓	✓	✓
	SME / Prof	✓		✓	✓	✓	

Country offering

Trends & regulations impacting the industry

Overall trends

- **Circular economy**, circular supply chain
- Bundled services, **pay-per-use**
- Customer journeys within ecosystems
- **Customer experience** is differentiator
- New models fuelled by **fintechs**

Regulations

- **Accounting Rules**
 - IFRS 16 Lease accounting
 - IFRS 9 Provisioning
- **Basel regulations**
 - Basel 3.5 / 4
 - Stricter model approach
- **GDPR**
- **AML 4**
- **Cybersecurity**

Asset based = lower risk = higher returns

Capital

Standardised

x

Foundation

≈

Advanced

✓

Provisions

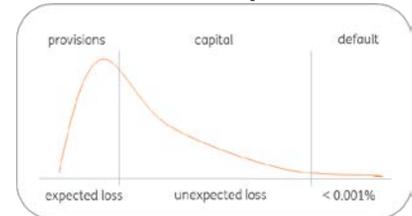
Local GAAP ?

x

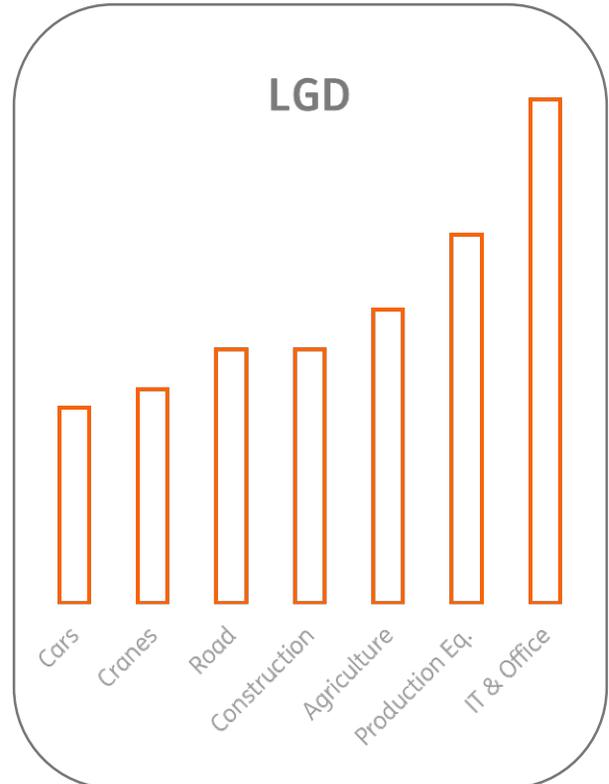
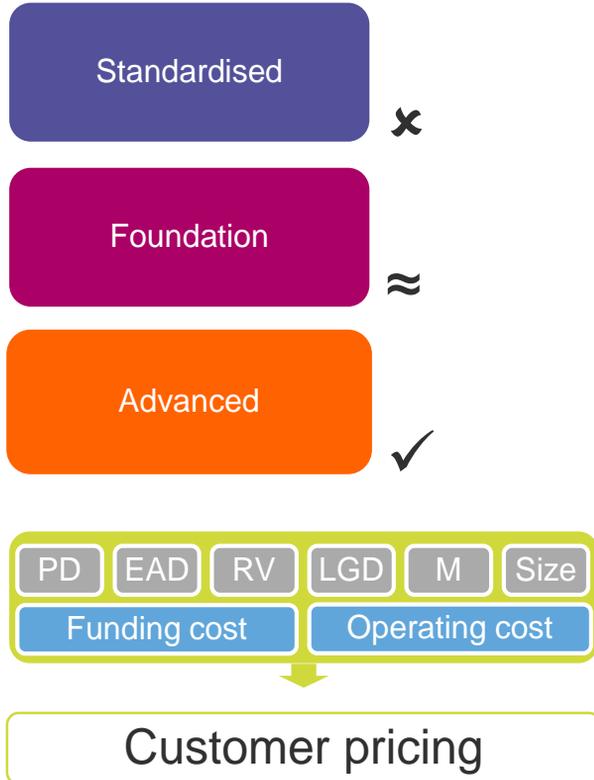
IFRS 9

✓

Provisions vs. capital



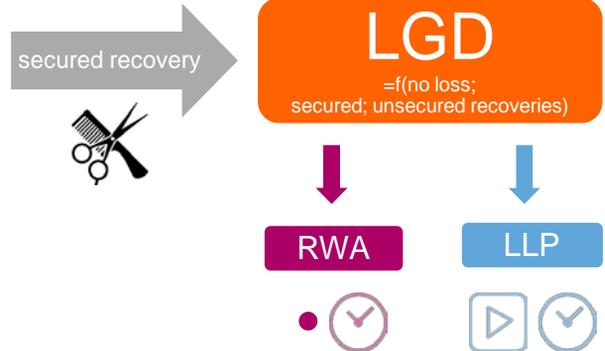
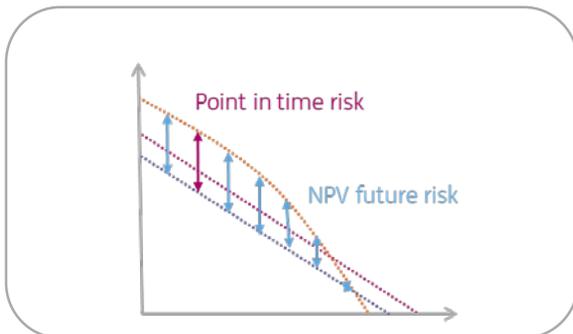
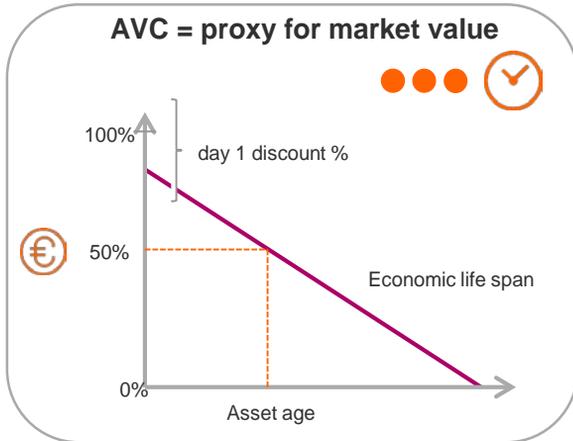
But assets are just one of the drivers for return



Our regulatory approach to asset valuation



Asset valuation curves & financial impact



≈ 100 different assets
 ≈ 20 different AVCs
 reviewed annually



Establishing AVCs

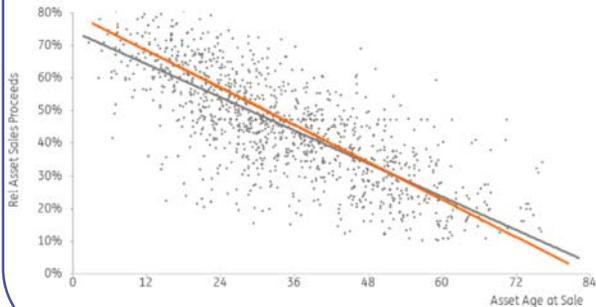
ECB – Targeted Review of Internal Models

- Increasing interest in asset valuation approach
- Increasing strictness in interpretation of regulations

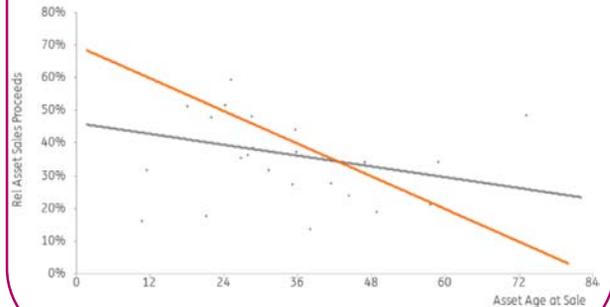
External auditor: IFRS-9 scrutiny

- Models may not under estimate but also not over estimate
- And must reflect current macro economic outlook

Asset group x



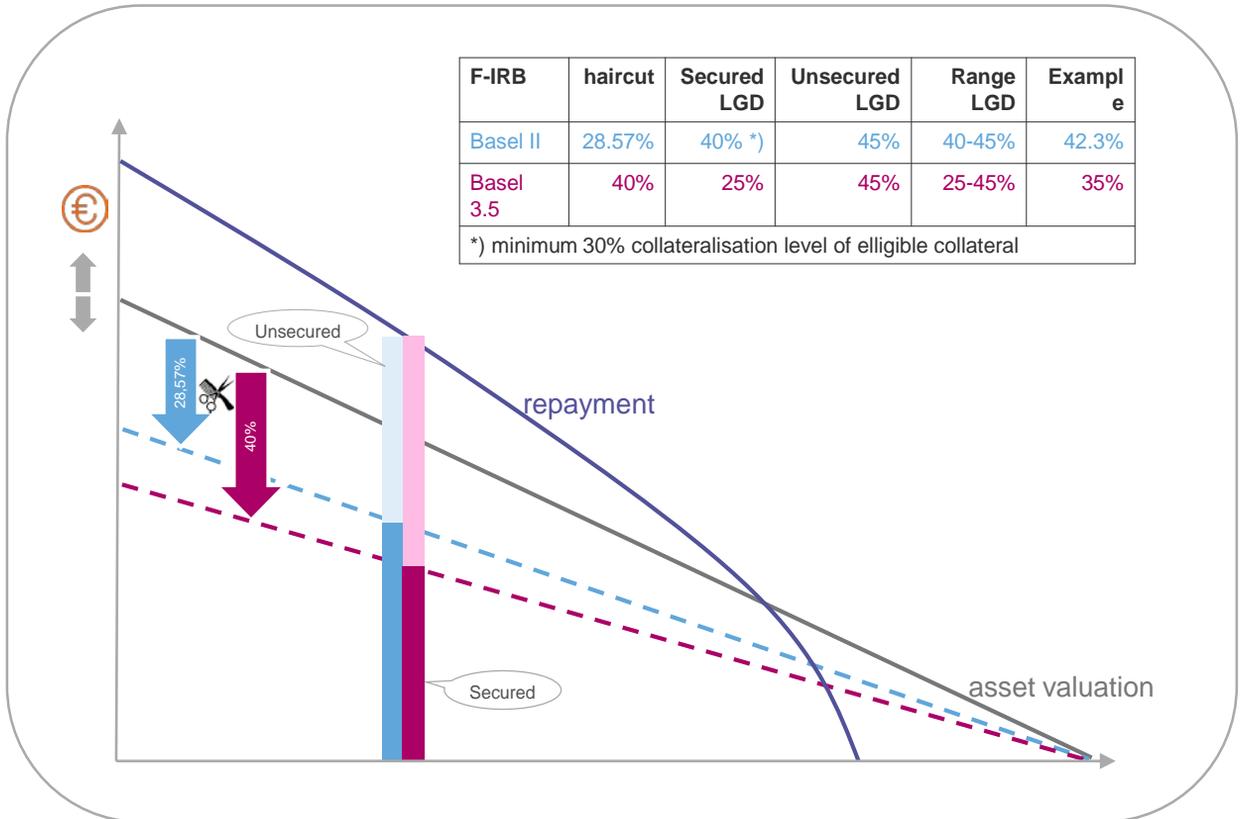
Asset group y



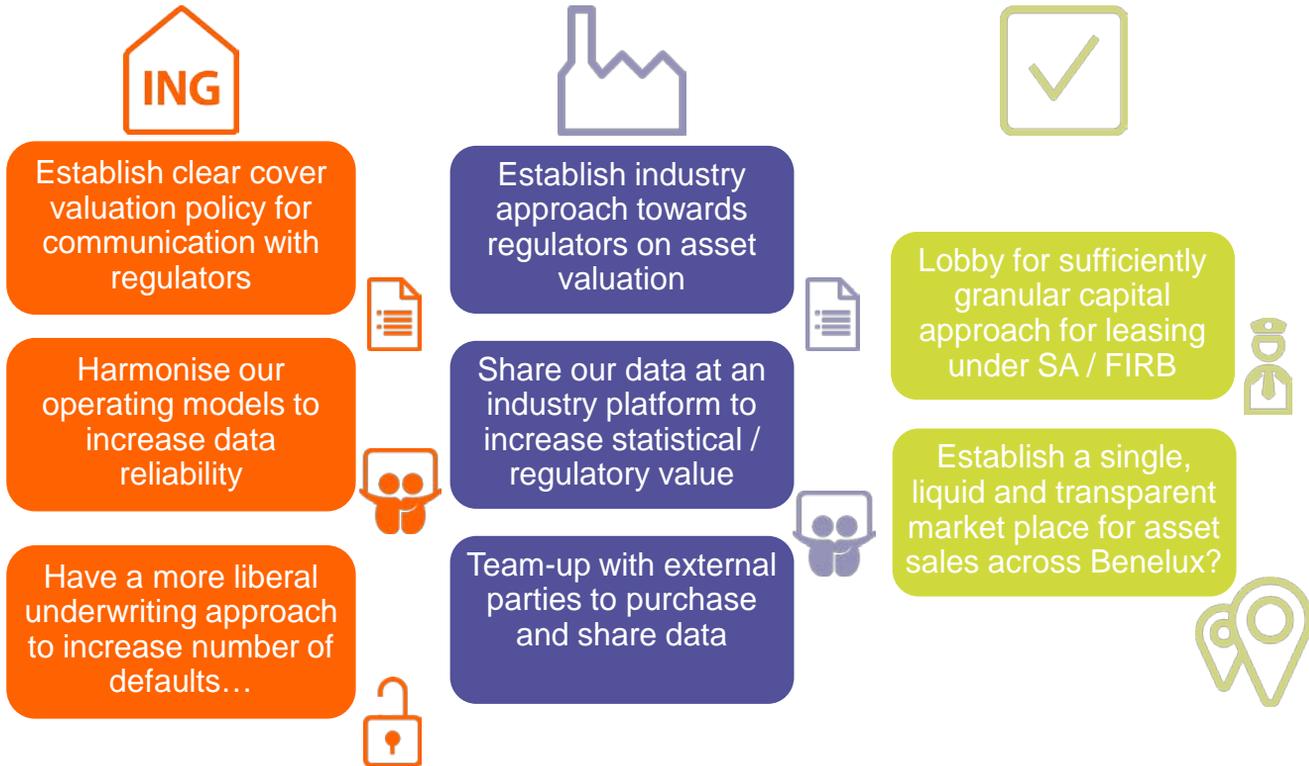
- Bad recoveries dominate internal data
- Data quality: outliers, reliability
- Volatility: 90% of all cases realizing >70%?

- How prove liquid markets?
- How to substantiate expert view?
- Granularity okay for regulatory <> business

Eligible market values are of increasing relevance



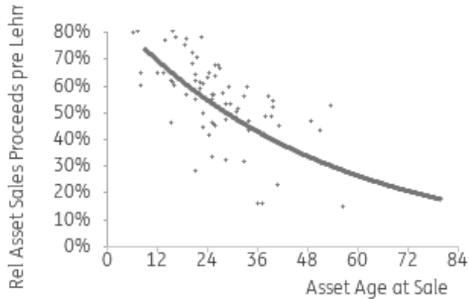
Ideas to improve our asset valuation approach



Thank you

Limited volatility throughout the cycle

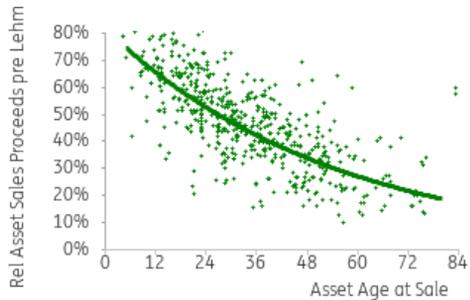
Pre-Lehman – limited data, learning collection



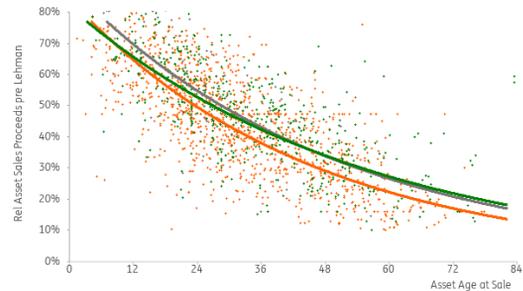
Post-Lehman (until 2014) – many data points



Recent years – normal cycle, mature collection

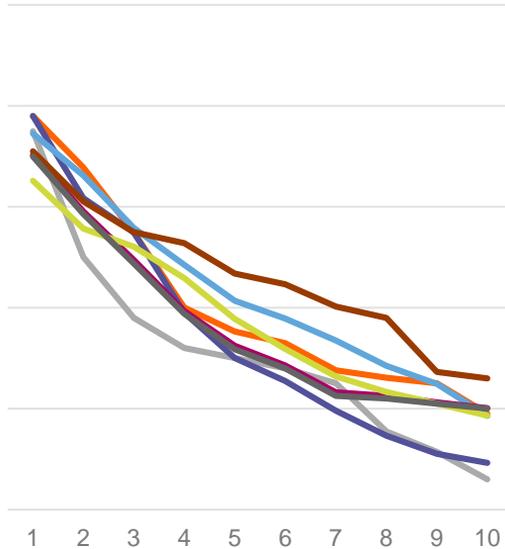


Throughout the cycle



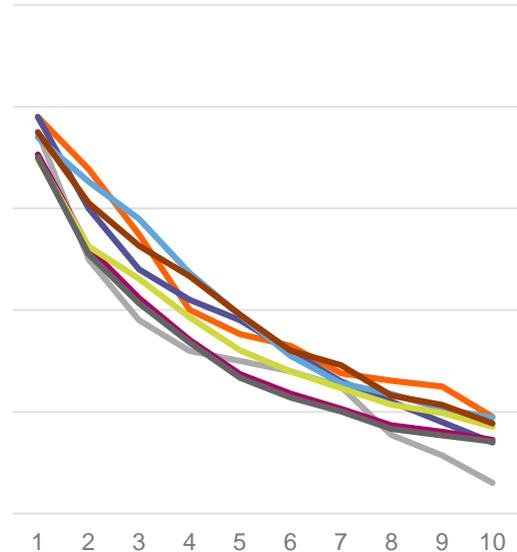
Greater granularity, in assets and countries

Netherlands



- NL Dumper
- NL Freeze insulated w freezer
- NL Garbage truck
- NL Heavy class 1
- NL Heavy class 2

Belgium

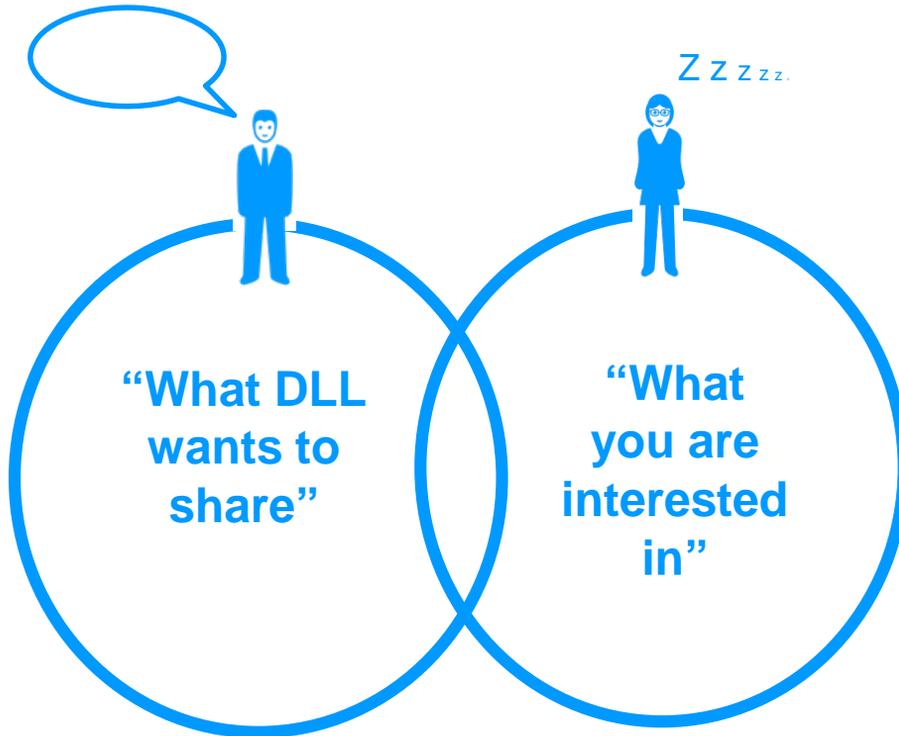


- BE Dumper
- BE Freeze insulated w freezer
- BE Garbage truck
- BE Heavy class 1
- BE Heavy class 2

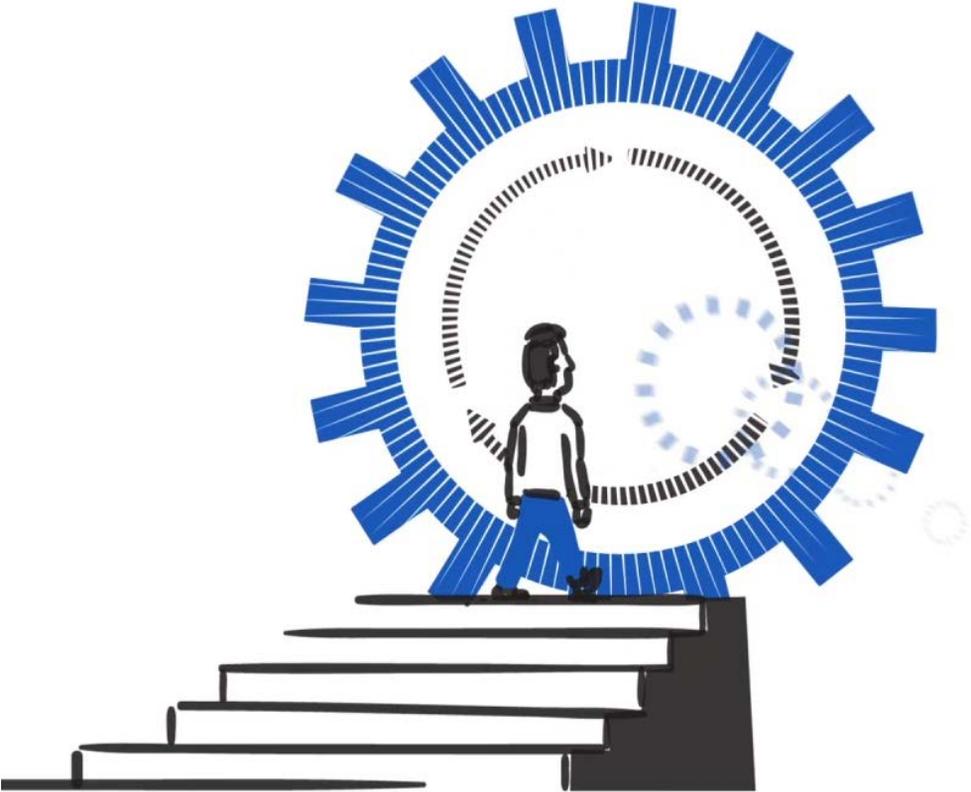
2nd life finance
in a Circular Economy

See what counts.

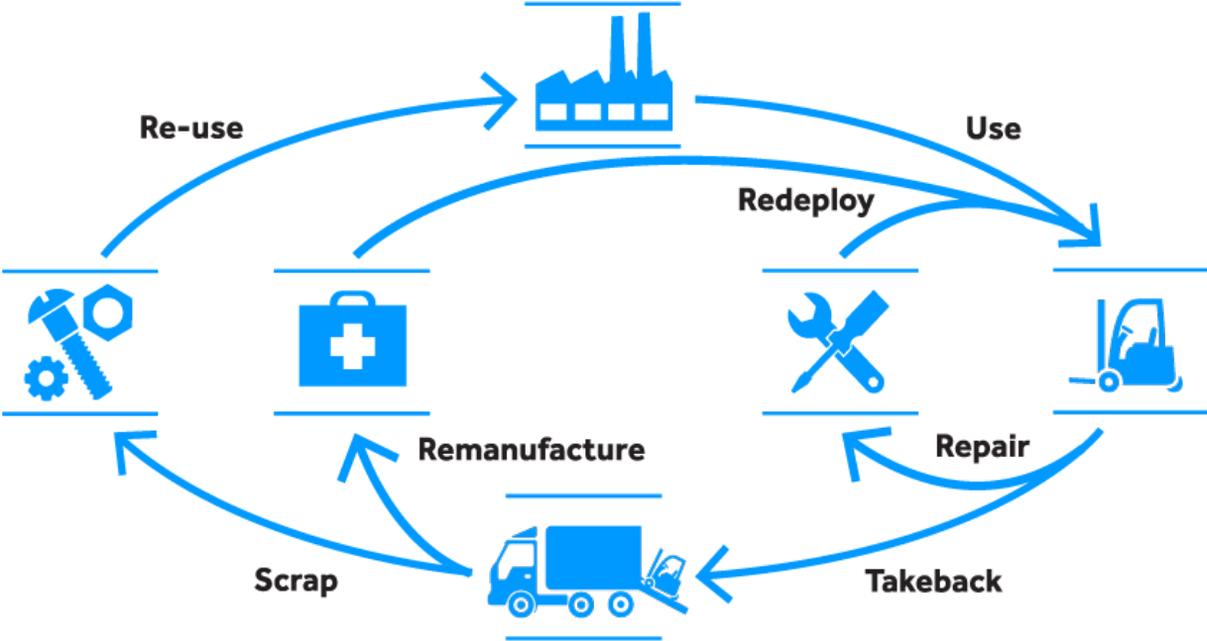
Focus of today



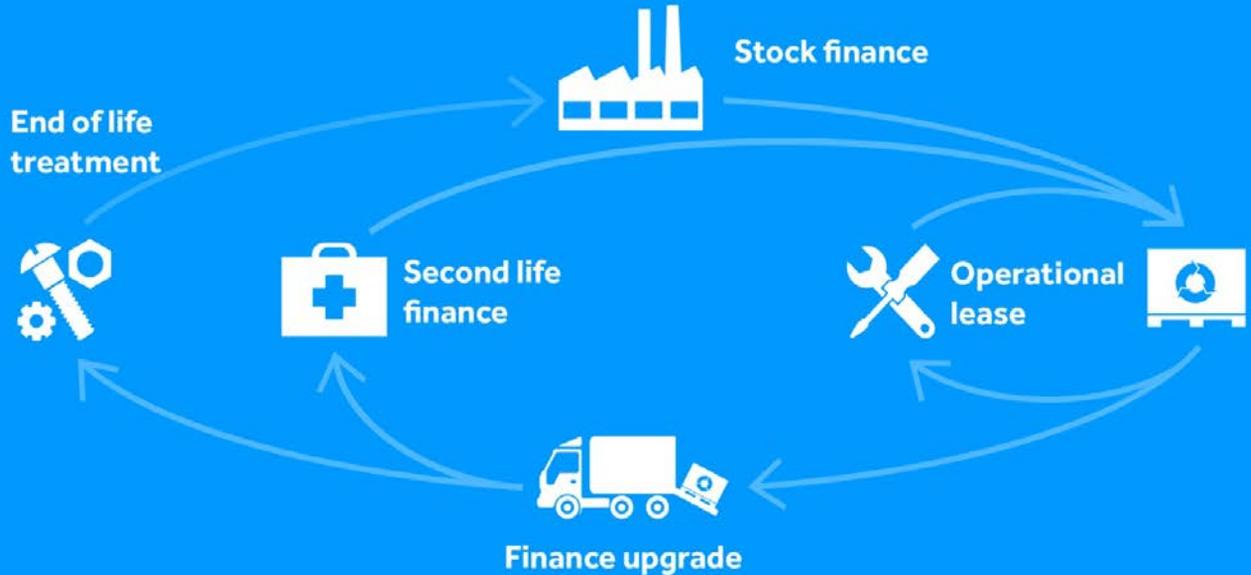
Build sustainable business for the future



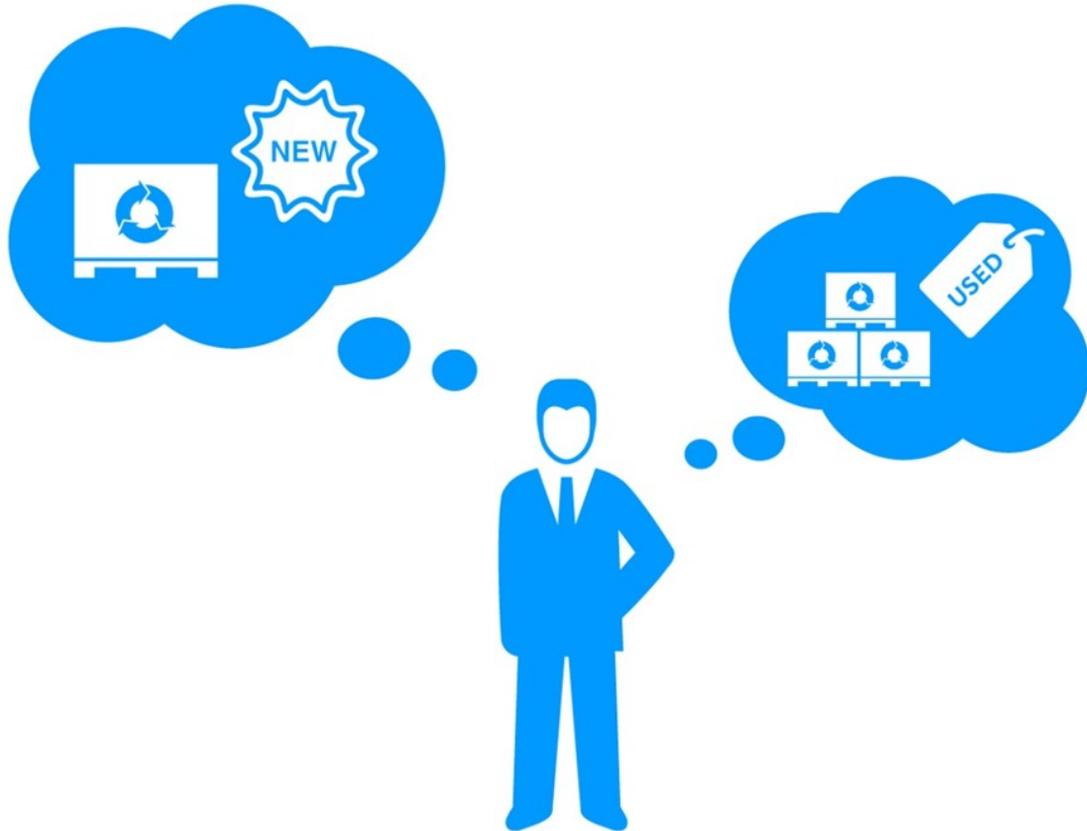
Control the full technical lifecycle of assets



Therefore we develop new finance solutions



Focus - Financing **USED** vs **NEW** assets



We are **NOT** financing dodgy business



Challenge: lack of standards

- Re-Used
- Refurbished
- Remanufactured

Point of Sale Marketing activities



Realising opportunities of a circular business model

A circular, usage-based business model opens for many businesses a utopian vision. A vision which is hard to make concrete and economically viable. Which regulations do we have to take when building a case study?

See what counts.

dll Financial solutions partner

Sustainable returns by recovering used assets

Manufacturers increasingly make the important decision to improve their assets. But how do you maximize fully recoverable value from used assets?

See what counts.

dll Financial solutions partner

Blueprint

Professionalizing used asset sales with dedicated promotion materials

The professional sales of used assets is becoming increasingly important for manufacturers. But how should you create dedicated promotion materials that put your used assets in the spotlight they deserve?

See what counts.

dll Financial solutions partner

See what counts.

dll Financial solutions partner

Equipment with pre-sets

How do you manage your fleet?

dll Financial solutions partner

Improving operations by standing by your side

Manufacturers and dealers learn from these insights?

See what counts.

dll Financial solutions partner

Blueprint

From the Things to the Things

Things can mean for your business through providing a series of real case examples.

See what counts.

dll Financial solutions partner

See what counts.

www.dllgroup.com

15:00 Break

12:45 - **Welcome with sandwich lunch**

13:30 - **Asset risk management, the impact of asset valuation on Equity**

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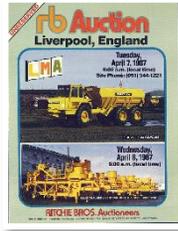
17:00 - **Q&A and closure**

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Introduction to Ritchie Bros.



First auction
1958



First auction in Europe
1987



Listed on NYSE
1998



Listed on TSX
2004

Acquisitions

MASCUS

Feb. 2016

**IRON
PLANET**

Aug 2016

More Ways We Deliver

\$4.5B

In gross transactional
value

400+

unreserved onsite
auctions with online
bidding

78

weekly online
auctions

40+

auction sites in
12 countries

4.4M+

average monthly
website visitors

3.3M

registered website
users

170K+

buyers

Leveraging our auction DNA into a broad suite of solutions

rb Asset Solutions

Integrated Onsite + Online Auctions

rb RITCHIE BROS.
Auctioneers

AUCTION SERVICES **CAT**

KRUSE ENERGY

Petrowsky Auctioneers
A Ritchie Bros. solution

KRAMER AUCTIONS
A Ritchie Bros. solution

Online Marketplaces

IRON PLANET

Marketplace
An IronPlanet solution

Listing Service

MASCUS

Sector related branded sites

FLEETLOCATOR
Introducing a NEW Way to Buy Trucks!



GOV PLANET

SalvageSale
POWERED BY RITCHIE BROS.

Brokerage

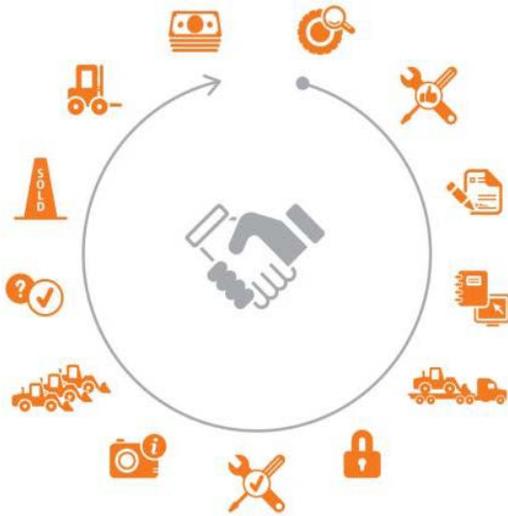
rb PRIVATE TREATY
A Ritchie Bros. Solution

Supporting All Phases of the Equipment Lifecycle

Asset Solution – Equipment Lifecycle



All-inclusive service



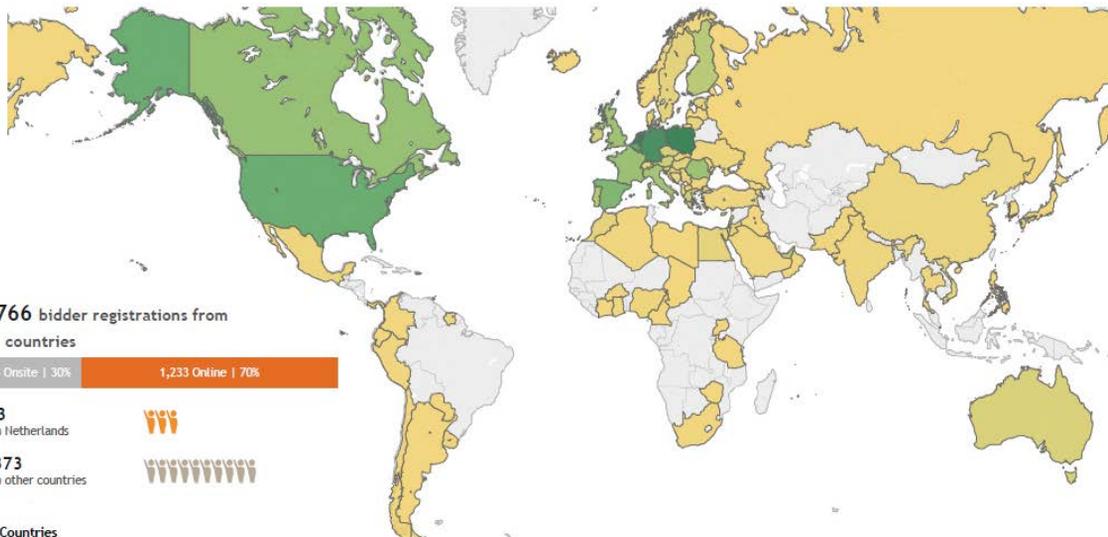
- Inventory management
- Used equipment website platforms
- Assistance Repossession
- Logistics and shipping (RBL)
- Storage
- Inspections
- Valuations
- Refurbishing
- Insurance



Growing Global Demand

Our global network and reach, sales solutions and services bring the most motivated buyers from around the planet. Selling with us means world-class representation of your equipment online and onsite.

Auction results | Moerdijk May, 2018



1,766 bidder registrations from 91 countries

533 Onsite | 30%

1,233 Online | 70%

393

from Netherlands



1,373

from other countries



Top Countries

Netherlands	393	United Kingdom	52	Australia	16	Morocco	9
Poland	189	Italy	48	Hungary	13	Serbia	9
Germany	134	Portugal	36	Croatia	12	Viet Nam	9
Belgium	100	Finland	35	Estonia	11	Denmark	8
United States	90	UAE	34	Lebanon	11	Israel	8
Spain	72	Ireland	23	Sweden	10	Slovenia	8
Canada	57	Austria	22	Egypt	9	Switzerland	8
France	54	Greece	21	Jordan	9	Kuwait	7
Romania	53	Czech Republic	18	Lithuania	9	Slovakia	7

Auction results | Moerdijk May, 2018

35,228,882 EUR
equipment sold

623
buyers

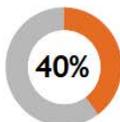
380
online



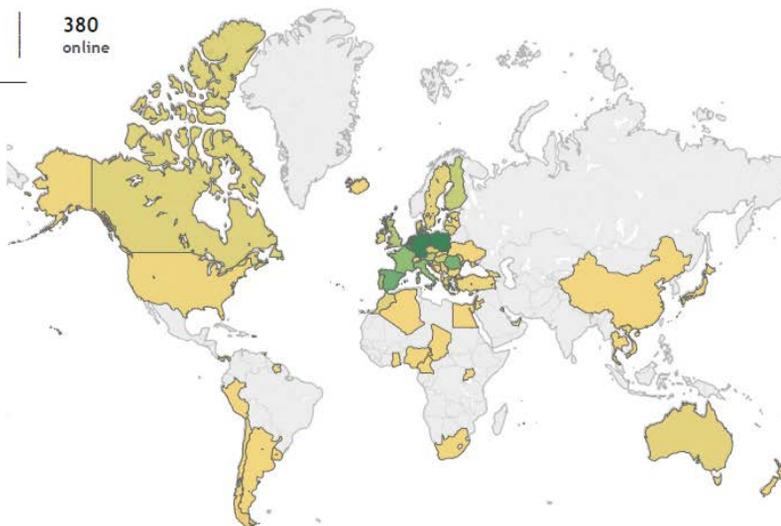
5.03M EUR
to Netherlands



30.20M EUR
to other countries



14.09M EUR
sold online



Top Countries

Netherlands	150	5,029,000 EUR
Germany	53	4,199,960 EUR
Poland	80	3,040,605 EUR
Italy	21	2,070,612 EUR
Belgium	43	1,992,875 EUR
Kuwait	2	1,880,270 EUR
Spain	29	1,256,875 EUR
France	21	1,204,685 EUR
United Kingdom	13	1,166,950 EUR

Australia	4	1,063,000 EUR
Romania	27	1,025,730 EUR
Switzerland	1	892,500 EUR
Morocco	5	724,035 EUR
Finland	10	627,350 EUR
Israel	5	507,400 EUR
Czech Republic	7	489,330 EUR
Canada	5	486,500 EUR
Portugal	15	456,145 EUR

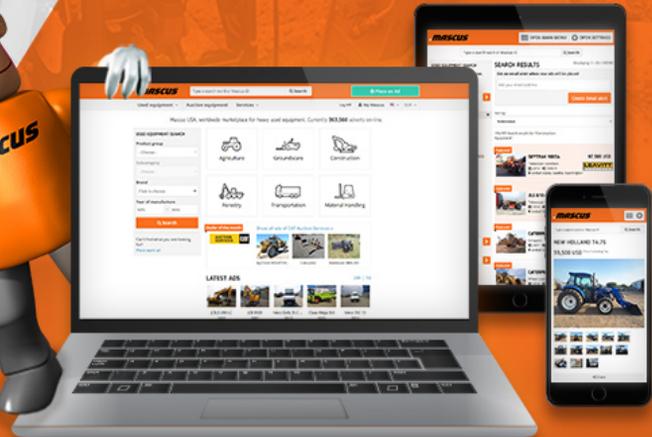
Algeria	1	408,000 EUR
Austria	12	399,105 EUR
Estonia	5	396,495 EUR
Cyprus	3	390,745 EUR
Hong Kong	4	383,500 EUR
Greece	7	346,800 EUR
Chad	1	345,000 EUR
South Africa	1	325,000 EUR
Ireland	5	303,320 EUR

Croatia	6	300,820 EUR
Albania	2	229,585 EUR
Japan	1	212,500 EUR
Sweden	4	212,500 EUR
Georgia	3	191,825 EUR
Uganda	1	158,050 EUR
UAE	4	158,000 EUR
Viet Nam	3	153,000 EUR
Serbia	5	148,065 EUR

MASCUS



Asset valuation tools for portfolio & asset management



Mascus history



- Growth capital provided by Alma Media, a Finnish media company

2001 - 2003

- Founded by Partek Corp. as one of the first online B2B trading platforms

PARTEK



VALTRA



2003 - 2006

- Expansion into the Nordics.
- Opening UK and Ireland offices
- **Marknadspriiser** starts 2006 together with KVD

- Buys data from Mascus

2007 - 2008

- Rapid expansion across Europe
- Quick growth in traffic and content

2009 - 2012

- KVD sells **Marknadspriiser** to Mascus in 2010

MARKNADSPRIISER
PRISSTATISTIK O VERDNINGAR

2013 - 2016

- MBO Mascus
- Move HQ to Netherlands

2016

- Ritchie Bros. buys Iron Planet 2017



100% Daughter company of Ritchie Bros:

- Many more plans...

Mascus in a nutshell



400 000

used equipment for sale in 6 sectors



6 000

Clients



In 58
Country web sites



Since
2000



38 languages
and **150** currencies



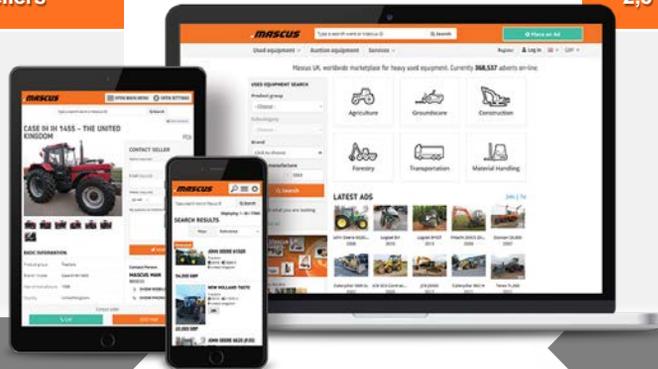
100 employees

Who is using Mascus

6 000 professional sellers

Dealers
Traders
OEMs
Auctioneers
Rental companies
Major contractors
And private persons and small entrepreneurs

Supply

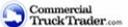
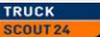


2,5 million unique buyers / months

Dealers
Traders
Importers
Transporters
Entrepreneurs
Farmers
Contractors

Demand

Number of listings April 2018 (World)

Construction 	Agriculture 	Transport 	Material Handling 	Forestry 
 196,336	 202,410	 226,661	 79,566	 7,949
 147,763	 105,458	 164,110	 45,052	 5,131
 120,040	 96,945	 141,100	 27,271	 3,085
 79,571	 85,474	 96,210	 22,226	
 37,029	 85,000	 77,724	 14,346	

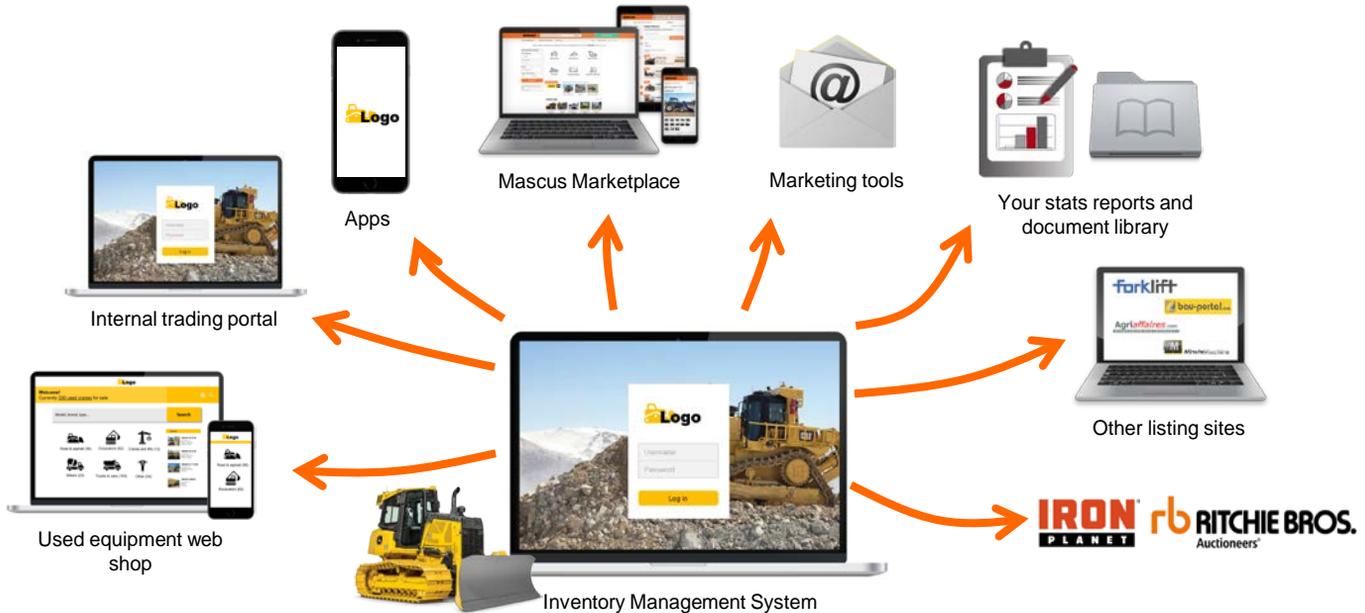
Our customer references

Construction	Agriculture	Transport	Material Handling	Forestry
     <small>Hitachi Construction Machinery</small>	 <small>JOHN DEERE</small>    <small>MASSEY FERGUSON</small>  <small>NEW HOLLAND AGRICULTURE</small>	 <small>Mercedes-Benz</small>    	      	  <small>JOHN DEERE</small>    <small>ROTTNE</small>

Remarketing Solutions

Inventory Management System

One solution for everything

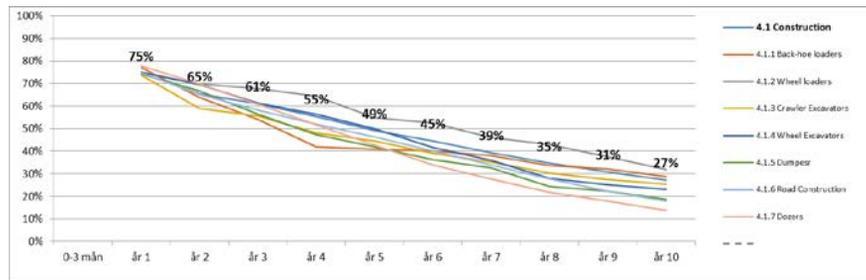


Mascus Value Index Services

Capital Adequacy

Mascus capital adequacy service

- Valuation services for banks, leasing companies, liquidators, insurance companies and public authorities
 - 15 years in financial services
 - 25+ years in valuation services
- We are using a method that has been approved by the Swedish financial inspection, together with the Basel Committee, as a instrument for Basel II/III requirements
- Market analysis and valuations are carried out by specialists
- Everything from individual items to entire credit holdings in accordance with the Basel III-rules
- Basel III demands that a bank must hold capital reserves appropriate to the risk the bank exposes itself to through its lending and investment practices



Our statistical database

Approximate number of sales reports in the database:

- Mascus 1 500 000
- Ritchie Bros. 1 300 000
- IronPlanet 500 000
- CAT Auction (2018)



Data from 45
countries



Data collected since
1995



Data up to 10 years
old used to construct
curves



Updated with
approximately 70 000
objects each month

Capital requirements directive Basel II

The institute may be given permission to calculate other non-financial assets than customer claims and real estates to have an acceptable financial security if the following conditions are met:



1. There is an available second-hand market for the asset



2. There are publicly available well established market prices for the asset



3. The institute can prove that the prices the institute put into practice does not considerably divert from the market price

Mascus Capital Adequacy services methodology

Proves that the assets have an available and functional second hand market

Gives verified well established market prices for the assets

The prices are publicly available

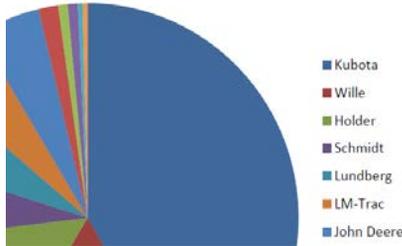
Can, when applied on a finance stock, prove that value of the assets do not considerably divert from the market price



A methodology that has been repeatedly approved as an instrument for finance institutes to tackle the Basel II/III requirements

Services

34%	29%	24%	21%	19%	16%
39%	34%	26%	22%	18%	13%
31%	27%	21%	18%	15%	11%
39%	34%	26%	22%	18%	13%
39%	35%	27%	23%	19%	14%
40%	31%	22%	16%	13%	9%
34%	28%	20%	14%	10%	5%
40%	34%	28%	23%	19%	15%
39%	33%	28%	22%	17%	12%
40%	34%	28%	23%	19%	15%



- Market value and Security value curves
 - Country specific
 - Region specific
 - Global
- Auction sale based
 - Regional

- Market analysis
- Desktop appraisals

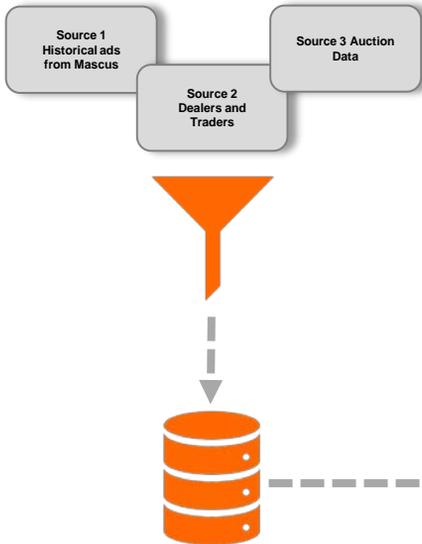
- On site evaluation

Capital adequacy

Material handling													
VLA Description	Ec.Life	Wei.	0-3 m.	year 1	year 2	year 3	year 4	year 5	year 6	year 7	year 8	year 9	year 10
5 - Material handling				78%	68%	58%	51%	46%	40%	37%	33%	31%	27%
5.1 - Forklifts		45%		74%	62%	54%	47%	41%	37%	34%	31%	29%	27%
5.1.1 - Reachstackers	4	19%		68%	60%	50%	43%	37%	31%	25%	20%	17%	15%
5.1.1.1 - Reachstackers, joint				68%	60%	51%	43%	37%	31%	24%	19%	15%	13%
5.1.1.2 - Reachstackers, sit				68%	58%	47%	42%	36%	31%	26%	22%	20%	17%
5.1.1.3 - Reachstackers, stand				69%	61%	53%	47%	39%	33%	28%	24%	20%	17%
5.1.1.4 - Reachstackers, platform				70%	58%	47%	40%	34%	26%	23%	20%	18%	15%
5.1.2 - Counterweightforklifts	7	63%		76%	65%	58%	51%	46%	42%	40%	37%	36%	34%
5.1.2.1 - Electric powered				70%	55%	43%	36%	31%	28%	25%	22%	21%	19%
5.1.2.2 - Diesel powered				80%	72%	67%	61%	56%	51%	49%	46%	45%	44%
5.1.2.3 - Gas powered				70%	50%	37%	32%	28%	25%	22%	20%	18%	17%
5.1.3 - Low lifters	4	3%		70%	51%	35%	27%	20%	16%	13%	11%	9%	8%
5.1.3.1 - Low lifters				70%	51%	35%	27%	20%	16%	13%	11%	9%	8%
5.1.4 - Man down turret trucks	4	11%		70%	55%	45%	36%	30%	26%	22%	21%	20%	18%
5.1.4.1 - Man down turret trucks				70%	55%	45%	36%	30%	26%	22%	21%	20%	18%
5.1.5 - Narrow aisle trucks	4	0%		70%	55%	45%	37%	31%	27%	24%	20%	18%	16%
5.1.5.1 - Narrow aisle trucks				70%	55%	45%	37%	31%	27%	24%	20%	18%	16%
5.1.6 - Order pickers	4	4%		70%	54%	42%	33%	28%	24%	21%	18%	16%	15%
5.1.6.1 - Order picker low				70%	58%	49%	40%	35%	29%	25%	21%	19%	18%
5.1.6.2 - Order picker middlehigh				70%	51%	35%	27%	22%	19%	17%	15%	13%	12%

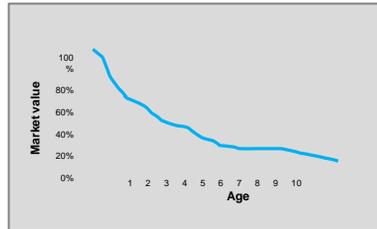
Data collection method (Capital adequacy)

Data collection



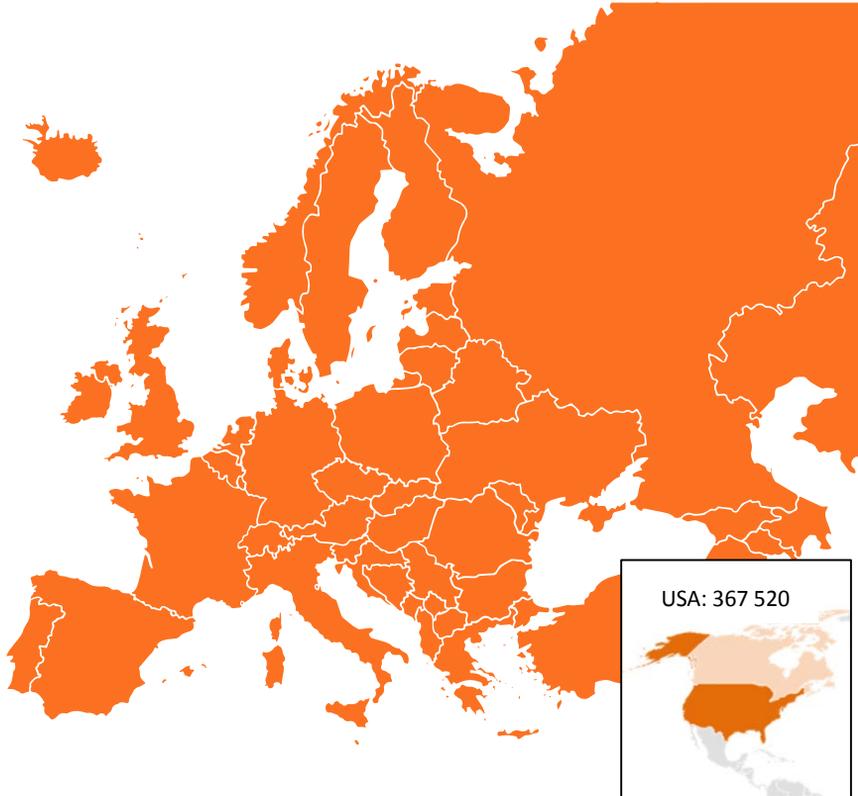
VLA Description	Ec. Lin	Wvl.	0-3 m.	year 1	year
4 - Construction / Agriculture			73%	66%	
4.1 - Construction	80%		74%	66%	
4.1.1 - Backhoe loaders	8	0%	77%	69%	
4.1.1.1 - Back hoe loaders			77%	69	
4.1.2 - Loaders	8	25%	75%	67%	
4.1.2.1 - Crawler loaders			74%	68	
4.1.2.2 - Wheel loaders			75%	67	
4.1.2.3 - Skid steer loaders			77%	67	
4.1.3 - Crawlers / Excavators	8	52%	77%	67%	
4.1.3.1 - Mini excavator (<7 ton)			75%	67	
4.1.3.2 - Medium excavators (7-12 ton)			76%	64	
4.1.3.3 - Heavy excavator (>12 ton)			73%	67	
4.1.4 - Wheel excavators	8	13%	75%	66%	
4.1.4.1 - Mini excavator (<7 ton)			74%	68	

The screenshot shows a software interface with a table of specifications and pricing. The table includes columns for 'Model', 'Price', 'Market value', 'Age', 'Year', and 'Market value'. The data shows a general downward trend in market value as age increases.



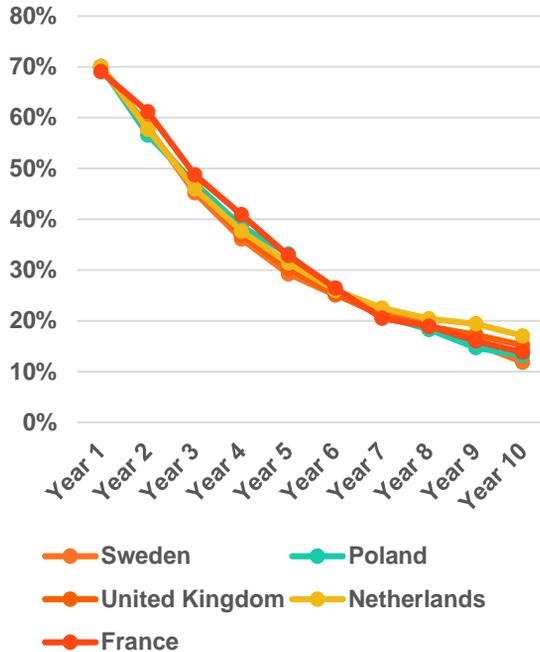
Data share per country in the world (Examples)

Germany	256 243
Netherlands	132 774
Sweden	114 800
Finland	96 169
Poland	77 713
Denmark	75 996
Norway	61 026
United Kingdom	56 695
France	50 848
Belgium	34 957
Spain	33 120
Hungary	13 341
Italy	12 359
Russia	10 829

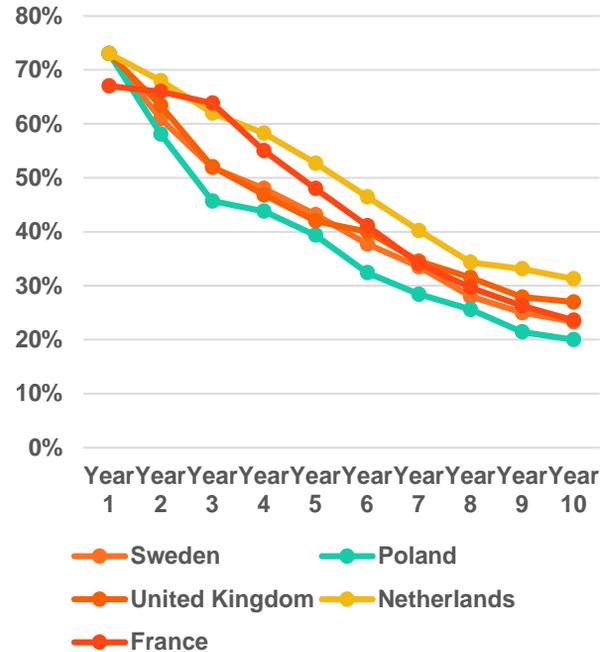


Different countries depreciation examples

Heavy Truck tractor unit (3.2.3.17)

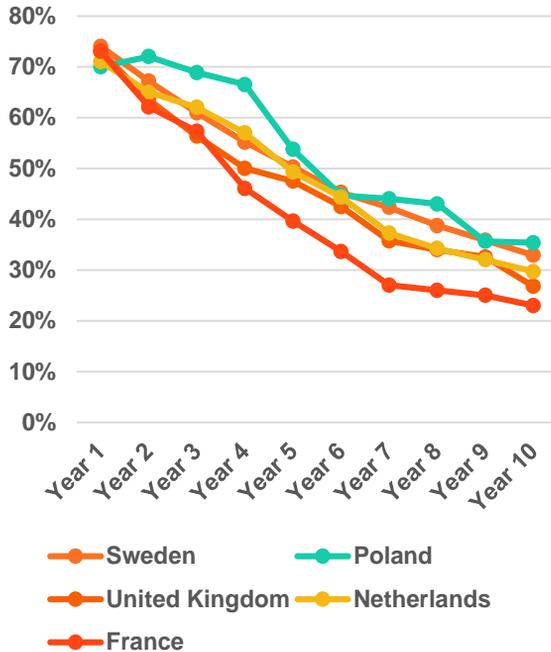


Heavy crawler excavator (4.1.3.3)

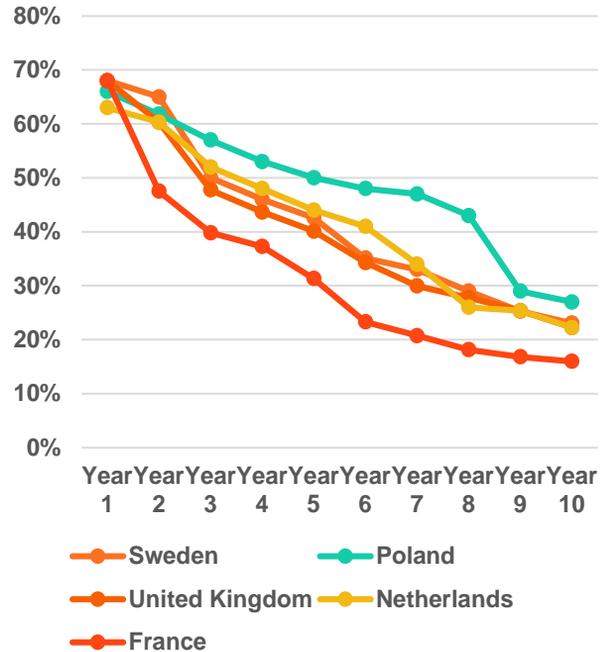


Different countries depreciation examples

Large agriculture tractors (4.2.1.2)

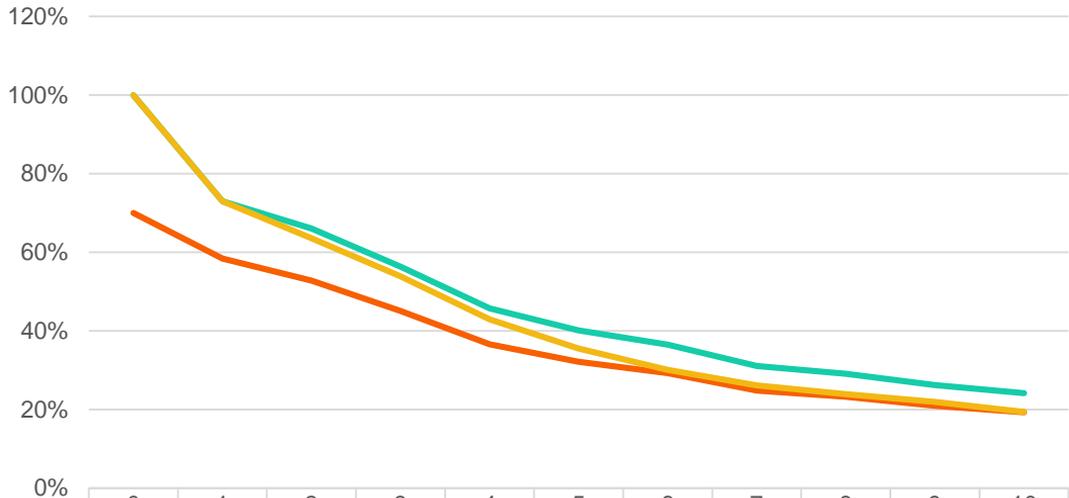


Agriculture rounds balers (4.2.3.1)



Compare auction data to VLA index

Crawler excavators 12t+



	0	1	2	3	4	5	6	7	8	9	10
VLA EU	100%	73%	66%	56%	46%	40%	37%	31%	29%	26%	24%
Security value	70%	58%	53%	45%	37%	32%	29%	25%	23%	21%	19%
Int. Auction data	100%	73%	64%	54%	43%	36%	30%	26%	24%	22%	19%

— VLA EU
 — Security value
 — Int. Auction data

Product specifications



Best collection of data
in the industry



24 / 7 / 365 access
package through XML
feeds



x4 releases a year
with Excel/PDF versions
for regions and countries



Always maintained
and **up to date** database

Wide product range!

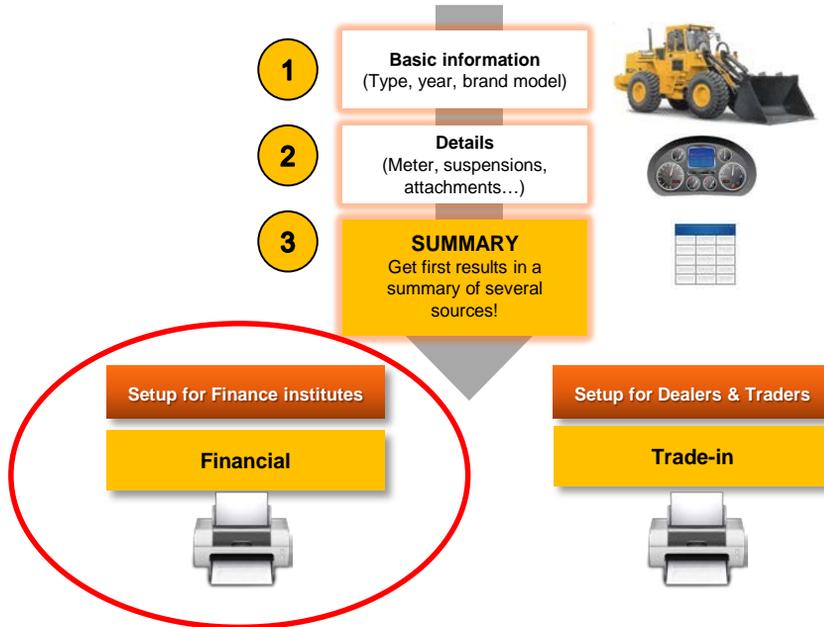
- Workshop / Printing
- Agriculture
- Construction
- Transport
- Materialhandling
- Forestry



Mascus valuation tools

Price indicator & Finance calculator

Working with our valuation tool



1. Basic information about the equipment

Basic information 🇩🇪

Industry *	Construction / Agriculture	!	Make	Caterpillar
Product	Construction	!		
Usage	Loaders	!	Manufacturing year *	2016
Range	Wheel loaders	!	Vehicle key	

Next



2. Summary

Statistics summary						
Source	Total / Used	Min	Average	Max	Days on ad	Avg. meter
<input checked="" type="checkbox"/> Mascus Valuator	-	63 100	65 700	67 000	-	-
<input checked="" type="checkbox"/> Mascus live Ads	24 / 10	60 100	74 800	77 500	125	40 000
<input checked="" type="checkbox"/> Real sales price (Ads)	19 / 17	66 900	67 800	69 100	107	45 000
<input type="checkbox"/> Historical Ads	78 / 25	71 400	69 200	84 200	78	43 000
<input checked="" type="checkbox"/> VLA Index	-	65 200	67 200	69 400	-	-
Average Market value			69 200			
My own Market value			<input type="text" value="65 100"/>			

All prices in €

Next

3. Statistic details

Source view

Current filter:
Sweden Change

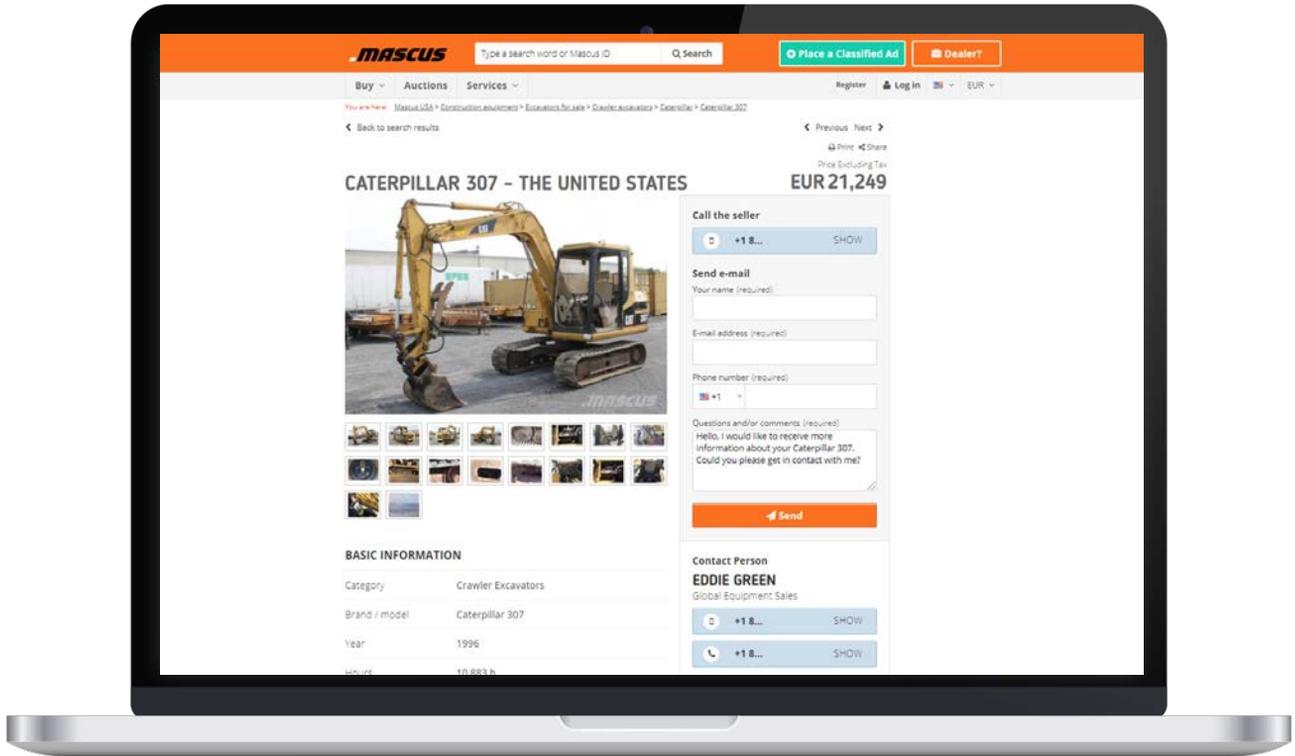
Show records with a price and manufacturing year according to:
[Show only selected](#) | [Manufacturing year](#) | [Manufacturing year +/-1 years](#) | [▶ Manufacturing year +/-2 years \(all\)](#) | [Show exact](#)

Select records from result list according to:
[Select filtered](#) | [Unselect all](#)

Description ↕	Year ↕	Price ↕	Days ↕	Meter ↕	Date ↕	Country ↕	Details
<input checked="" type="checkbox"/> Caterpillar 307C	2005	39 510	59	3 500	2013-03-18	SE	Show...
<input checked="" type="checkbox"/> Caterpillar 307C	2005	38 570		3 500	2013-03-18	SE	Show...
<input checked="" type="checkbox"/> Caterpillar 307C	2005	51 150	45	3 500	2013-07-01	SE	Show...
<input checked="" type="checkbox"/> Caterpillar 307C	2005	51 450	38	3 500	2013-08-08	SE	Show...
<input checked="" type="checkbox"/> Caterpillar 307C	2005	51 870	56	3 500	2013-10-03	SE	Show...
<input checked="" type="checkbox"/> Caterpillar 307C	2005	50 390	41	3 500	2013-11-13	SE	Show...
<input checked="" type="checkbox"/> Caterpillar 307C	2005	33 490	26	3 500	2013-12-09	SE	Show...
<input checked="" type="checkbox"/> Caterpillar 307C	2007	42 810	199	3 750	2014-06-16	SE	Show...
<input checked="" type="checkbox"/> Caterpillar 307C	2005	33 950	44	3 500	2014-01-22	SE	Show...
<input checked="" type="checkbox"/> Caterpillar CAT 307C eng...	2006	47 270	111	4 093	2013-12-11	SE	Show...
<input checked="" type="checkbox"/> Caterpillar CAT 307C med...	2007	60 600	431	3 508	2013-08-14	SE	Show...
<input checked="" type="checkbox"/> Caterpillar CAT 307C rot...	2006	48 690	304	4 062	2013-08-22	SE	Show...
<input checked="" type="checkbox"/> Caterpillar CAT 307C rot...	2006	53 140	309	3 188	2013-09-01	SE	Show...
<input checked="" type="checkbox"/> Caterpillar CAT 307C SB ...	2007	53 320	110	3 713	2013-12-02	SE	Show...
<input checked="" type="checkbox"/> Caterpillar CAT 307C sve...	2006	45 920	23	3 197	2013-09-24	SE	Show...

Close

4. Object card



Setup financing (example)

Calculation 

Current value according to VLA

Price when new	Market value	Security value
<input type="text" value="105 000"/>	71 400 (68 %)	57 120 (54 %)

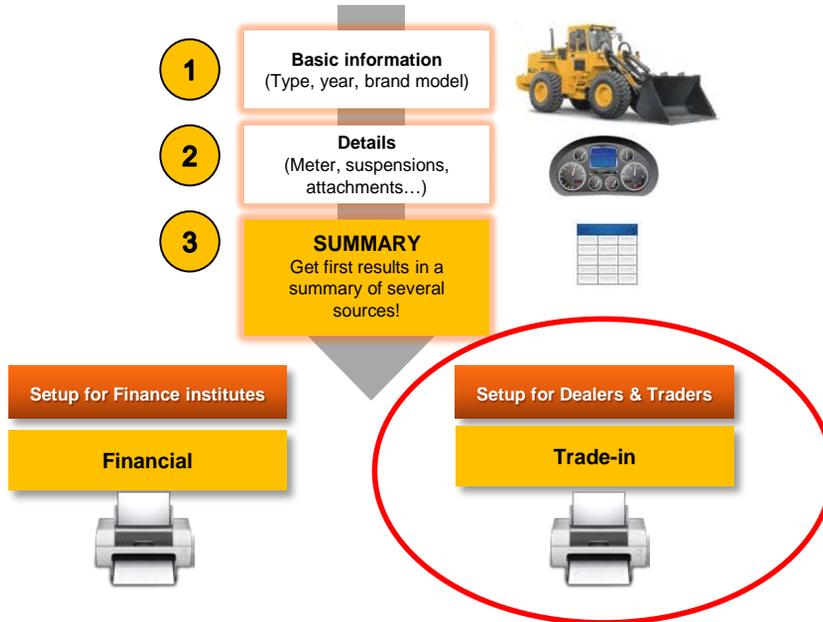
Future value development

Initial value	Contract length
<input type="text" value="65 100"/>	<input type="text" value="60 months (5 years)"/>

Period	Market value	Security value
12 months (3 years old)	56,000 (59 %)	45,000 (47 %)
24 months (4 years old)	50,000 (52 %)	40,000 (42 %)
36 months (5 years old)	44,000 (46 %)	35,000 (37 %)
48 months (6 years old)	38,000 (40 %)	31,000 (32 %)
60 months (7 years old)	32,000 (34 %)	26,000 (27 %)

Presented values are based on the input value is correct. Input value is affected by factors such as model, specification, condition, Mileage, and the general market.

Working with our valuation tool



1. Basic information about the equipment

Basic information

Industry * Construction / Agriculture	Make * Volvo
Product * Construction	Model * L120 E
Usage * Loaders	Please select...
Range * Wheel loaders	L50 F
	L50 E
	L60 E
	L60 F
	L70 D
	L70 E
	L70 F
	L90 E
	L90 F
	L120 E
	L120 F
	L150 F
	L150 E
	L180 E
	L180 F
	L220 E
	L220 F

Next



2. Details



Details

Meter state 11 800 Hours **Valuation date**

Joystick control
No joystick control

Lubrication
Standard lubrication

Load suspension
Load suspension installed

Hydraulic system
Standard hydraulic system

Diesel warmer
Diesel warmer installed

Quick lock
Quick locks installed

[Select standard specification](#)

Super structure
 Grading bucket Bucket gravel & rock

Overall condition Normal (+.0%) **Tires** Normal (25-75% left)

Item 1	Value
Item 2	Value

Next

3. Summary

Statistics summary

Source	Total / Used	Min	Average	Max	Days on ad	Avg. meter
<input checked="" type="checkbox"/> Mascus Valuator	-	63 100	65 700	67 000	-	-
<input checked="" type="checkbox"/> Mascus live Ads	24 / 10	60 100	74 800	77 500	125	40 000
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<input checked="" type="checkbox"/> VLA Index	-	65 200	67 200	69 400	-	-
Average Market value			69 200			
My own Market value			<input type="text" value="65 100"/>			

All prices in €

Next

4. Statistic details

Source view

Current filter:
Sweden Change

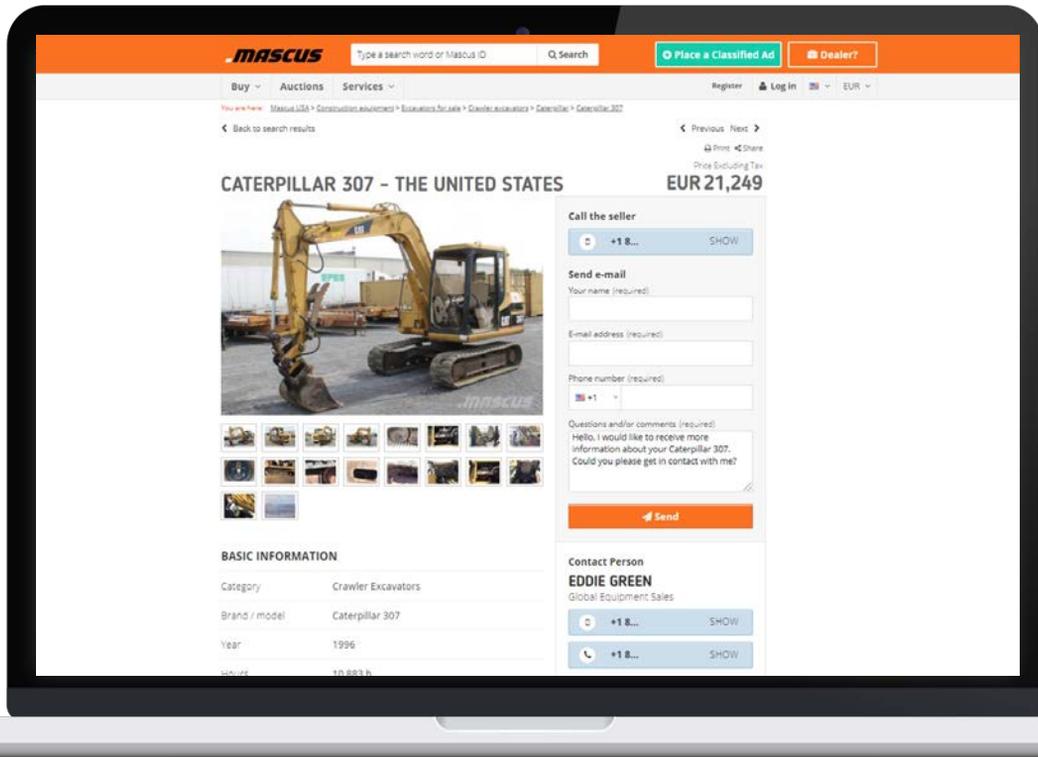
Show records with a price and manufacturing year according to:
[Show only selected](#) | [Manufacturing year](#) | [Manufacturing year +/-1 years](#) | [Manufacturing year +/-2 years \(all\)](#) | [Show exact](#)

Select records from result list according to:
[Select filtered](#) | [Unselect all](#)

Description	Year	Price	Days	Meter	Date	Country	Details
<input checked="" type="checkbox"/> Caterpillar 307C	2005	39 510	59	3 500	2013-03-18	SE	Show...
<input checked="" type="checkbox"/> Caterpillar 307C	2005	38 570		3 500	2013-03-18	SE	Show...
<input checked="" type="checkbox"/> Caterpillar 307C	2005	51 150	45	3 500	2013-07-01	SE	Show...
<input checked="" type="checkbox"/> Caterpillar 307C	2005	51 450	38	3 500	2013-08-08	SE	Show...
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<input checked="" type="checkbox"/> Caterpillar 307C	2005	33 490	26	3 500	2013-12-09	SE	Show...
<input checked="" type="checkbox"/> Caterpillar 307C	2007	42 810	199	3 750	2014-06-16	SE	Show...
<input checked="" type="checkbox"/> Caterpillar 307C	2005	33 950	44	3 500	2014-01-22	SE	Show...
<input checked="" type="checkbox"/> Caterpillar CAT 307C eng...	2006	47 270	111	4 093	2013-12-11	SE	Show...
<input checked="" type="checkbox"/> Caterpillar CAT 307C med...	2007	60 600	431	3 508	2013-08-14	SE	Show...
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<input checked="" type="checkbox"/> Caterpillar CAT 307C rot...	2006	53 140	309	3 188	2013-09-01	SE	Show...
<input checked="" type="checkbox"/> Caterpillar CAT 307C SB ...	2007	53 320	110	3 713	2013-12-02	SE	Show...
<input checked="" type="checkbox"/> Caterpillar CAT 307C sve...	2006	45 920	23	3 197	2013-09-24	SE	Show...

Close

5. Object card



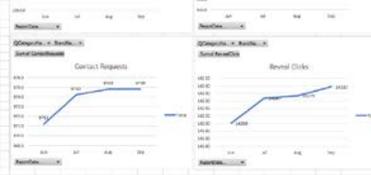
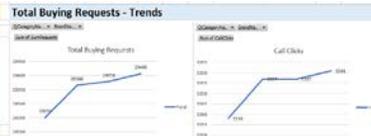
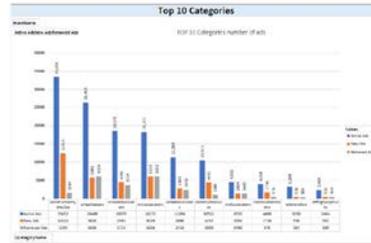
Setup trade-in (example)

Calculation			
	Current period		Future period
Valuation Date		2010-10-15	2011-04-15 (6 months)
Current meter		245 000 Km	+ <input type="text" value="40 000"/> Km = 285 000 Km
Market value		65 100	61 800
Deprecation per hour/mile		0,27	
Sales margin	<input type="text"/> %	- <input type="text"/>	-0
Purchase price		65 100	61 800
Repair cost		- <input type="text" value="150"/>	- 150
Recondition cost		- <input type="text" value="230"/>	- 230
Real value		64 720	61 420
<i>All prices in €</i>			

Capital adequacy

Trends & market analysis

We have a lot of data!





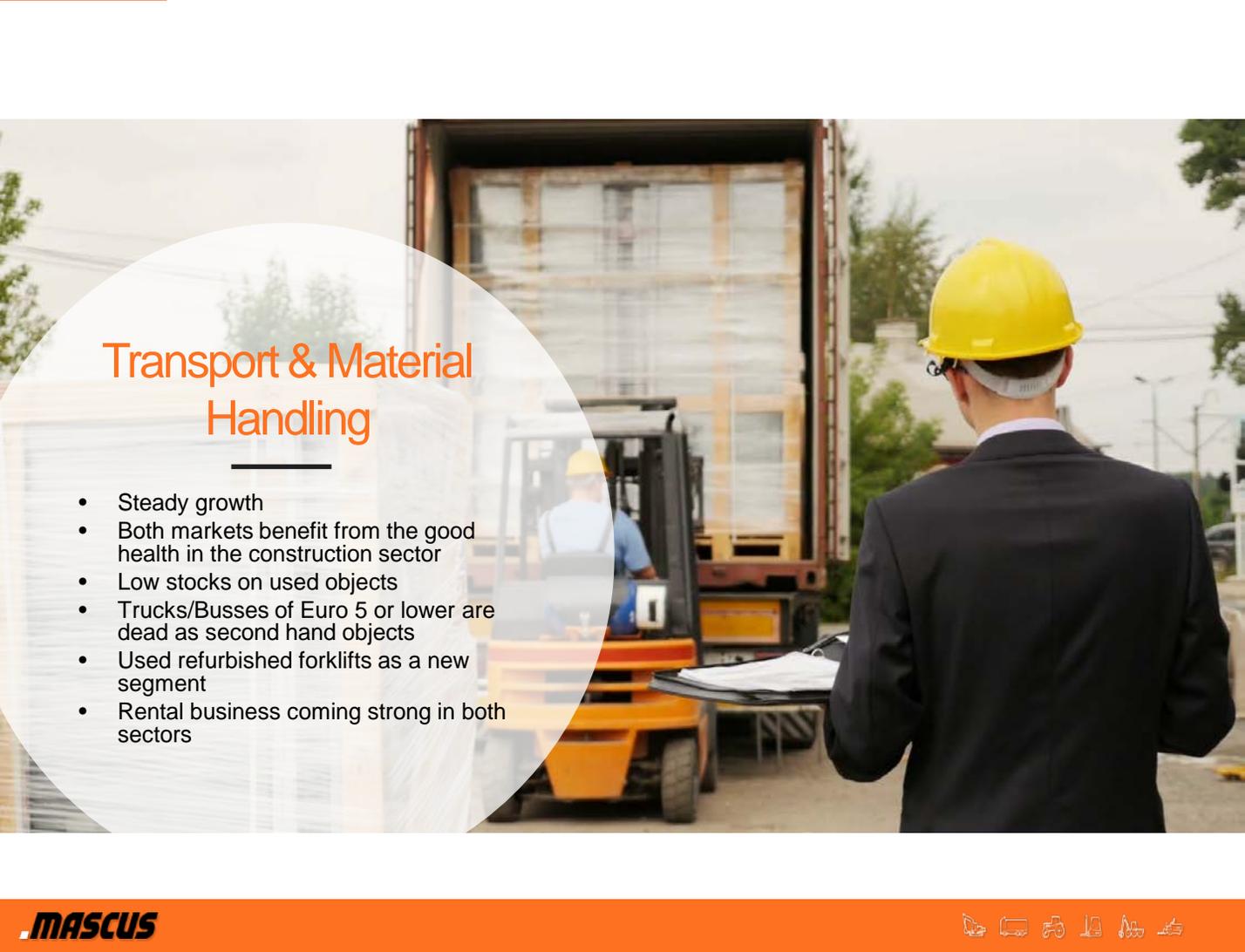
Construction

- 2017 exceeded sales expectations
- Higher demand vs. 2016
- OEMs order books full & production lines busy
- Lack of supply drives prices up for used equipment
- New technology drives sales
- New infrastructure boosts the market
- Stage 5 will affect the market during next year

Agriculture

- Industry mood reaches highest level since 2009
- Most markets experienced sales growth in 2017 with few exceptions, f.i. France
- Today, most OEMs have 3 months of productions booked ahead
- In 2018 the market may grow further, OEMs show confidence
- Two directions of agriculture is forming
 - Organic production with low production levels
 - Precision agriculture with high production levels



A man in a dark suit and a yellow hard hat is seen from behind, holding a clipboard. In the background, a yellow forklift is loading a truck with pallets of goods. The scene is outdoors, likely at a construction or industrial site.

Transport & Material Handling

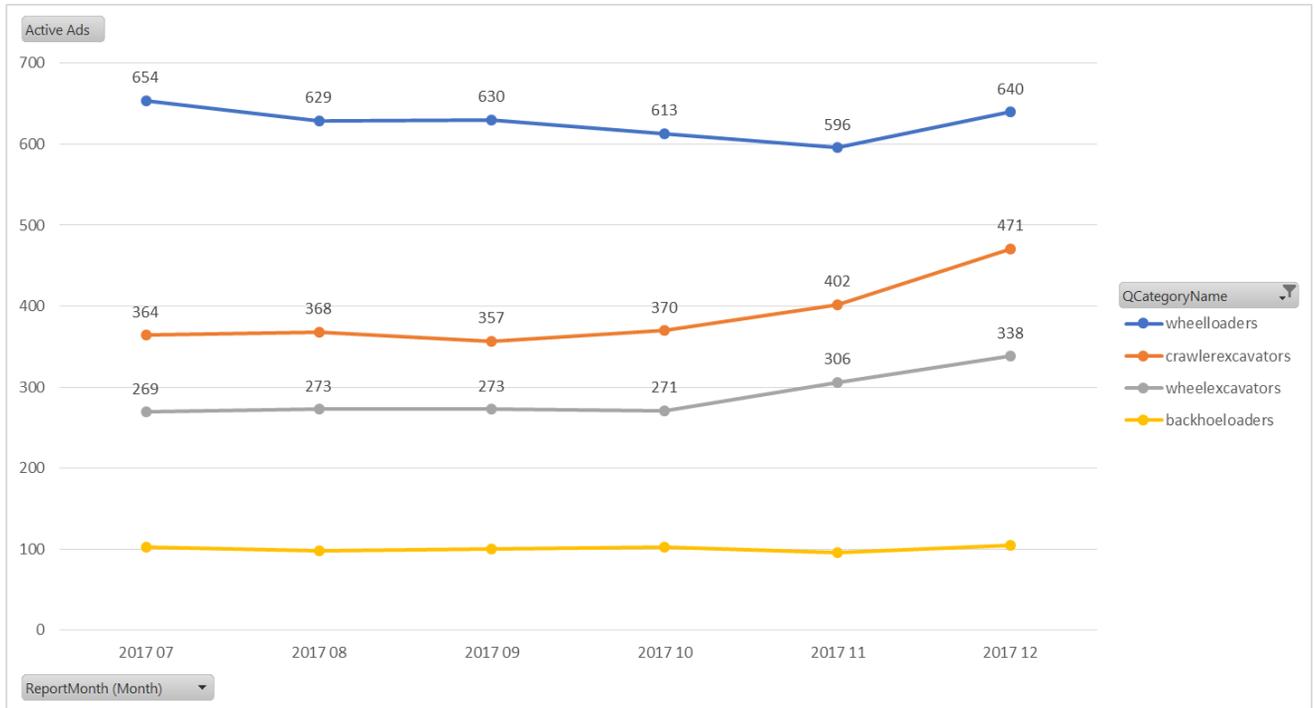
- Steady growth
- Both markets benefit from the good health in the construction sector
- Low stocks on used objects
- Trucks/Busses of Euro 5 or lower are dead as second hand objects
- Used refurbished forklifts as a new segment
- Rental business coming strong in both sectors



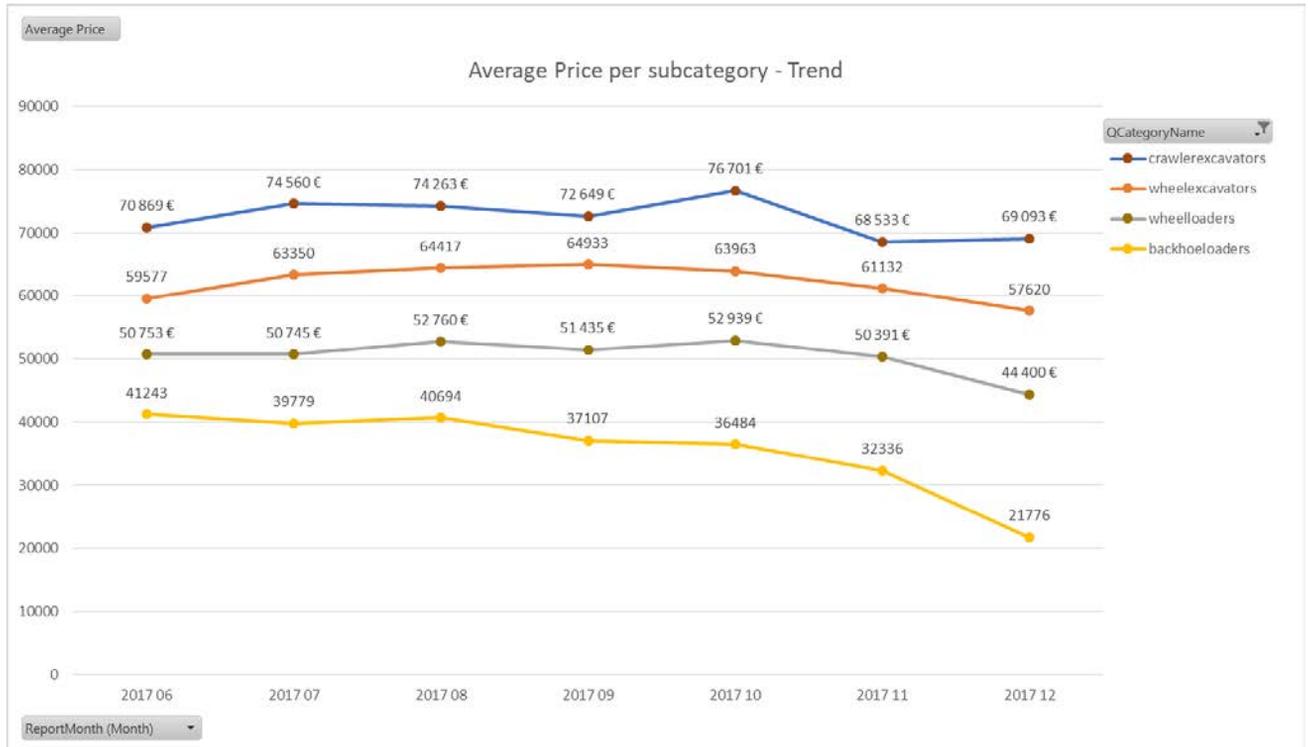
Machine tools

- Declining market since 2008
- New sales with high discounts
- Chinese machines flood the market (beware of issues)
- Manually operated machines still has a good market when used

Construction machines for sale



Average price in construction machinery



Prognosis of future changes

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
4.1.1.1	70%	63%	56%	47%	45%	43%	37%	35%	33%	31%
4.1.2.1	74%	66%	63%	59%	54%	50%	42%	35%	30%	26%
4.1.2.2	77%	73%	62%	51%	41%	32%	30%	28%	26%	24%
4.1.2.3	75%	67%	61%	52%	42%	38%	37%	36%	35%	34%
4.1.3.1	75%	66%	55%	51%	45%	41%	39%	37%	35%	34%
4.1.3.2	76%	67%	59%	50%	44%	41%	39%	35%	31%	30%
4.1.3.3	73%	64%	54%	43%	38%	34%	29%	27%	25%	23%
4.1.4.1	74%	68%	55%	45%	44%	43%	35%	34%	33%	32%
4.1.4.2	75%	67%	64%	51%	44%	39%	35%	32%	31%	28%

**Let's build together a
great collaboration**

