

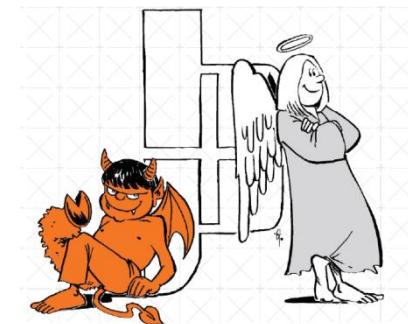
NOTATION RULES APPLIED TO BUSINESS INTELLIGENCE SYSTEMS

We think that even leading BI tools could improve their user interface if they would apply our SUCCESS rules and the visualization concept of hi-notation – see www.success.hichert.com and www.hi-notation.hichert.com.

Here I try to apply the concept to a screenshot of QlikView.

Regards
Rolf Hichert

rh@hichert.com





Wichtig

Wenn Ihr Browser diese pdf-Datei nicht im Vollbild-Modus anzeigen kann, so müssen Sie sie zunächst auf Ihrem Computer **speichern**.

Nach dem Öffnen der Datei können Sie den **Vollbild-Modus** mit **Ctrl+L** (Windows) oder **Ctrl+Cmd+F** (Mac) starten.

Der Vollbild-Modus ist wichtig, um die vielen kleinen Schritte in dieser Präsentation zu erkennen.



Important

If your browser does not allow to view this pdf file in full screen mode you must **save** the file on your computer first.

After opening the file you turn on **full screen mode** by clicking **Ctrl+L** (Windows) or **Ctrl+Cmd+F** (Mac).

Full screen mode is important to see and understand the many small steps in this presentation.

[Intro](#)[How to](#)[Dashboard](#)[Trends](#)[Product](#)[Customer](#)[Maps](#)[Delivery Statistics](#)[Order](#)[Sales](#)[What if](#)

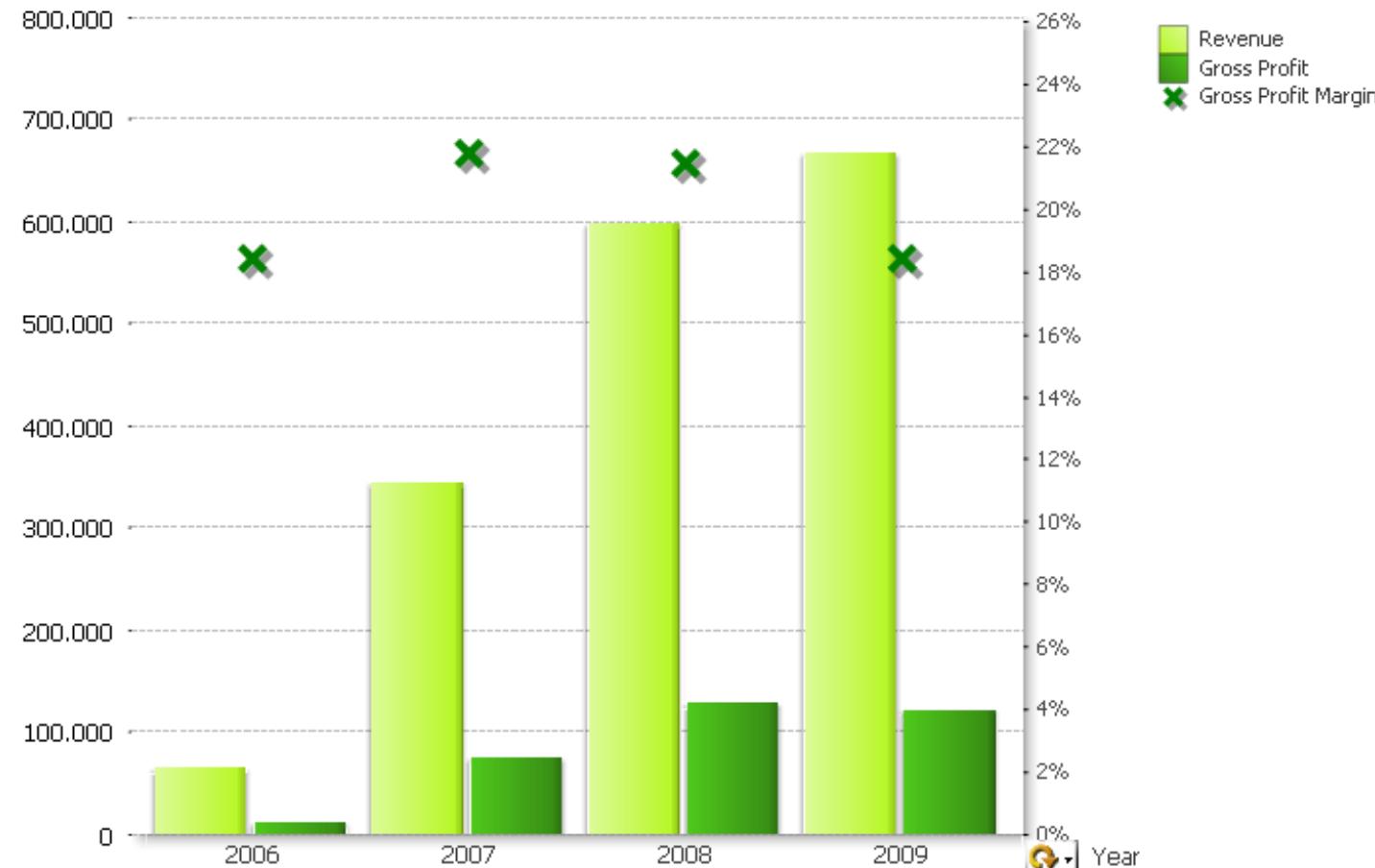
QlikView

analysis of trends

Data as of : 03.11.2009, 06:15:00

[2009](#) [2008](#) [2007](#) [2006](#) [Jan](#) [Feb](#) [Mrz](#) [Apr](#) [Mai](#) [Jun](#) [Jul](#) [Aug](#) [Sep](#) [Okt](#) [Nov](#) [Dez](#) [Week](#) [...](#) [?](#)

analysis of trends



Intro How to Dashboard

Trends

Product

Customer

Maps

Delivery Statistics

Order

Sales

What if

QlikView

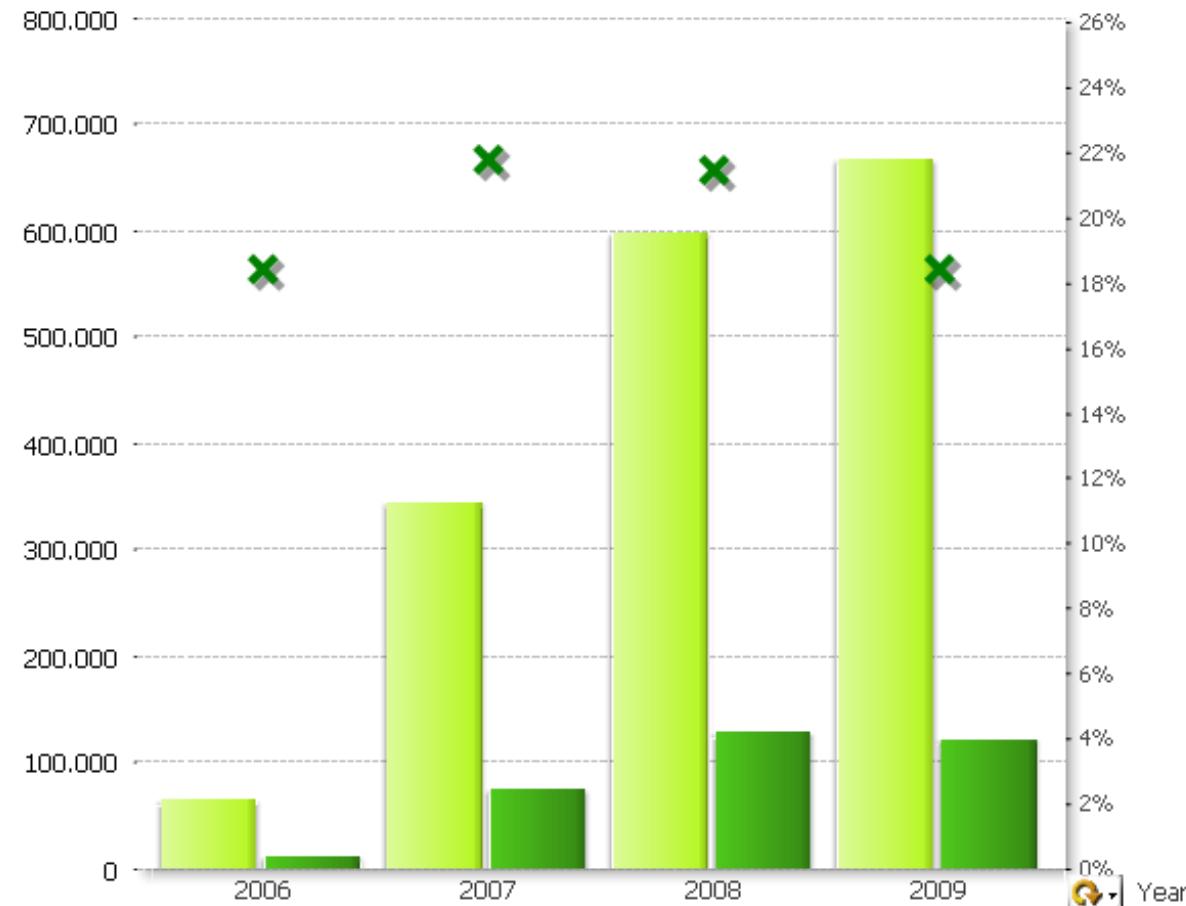
analysis of trends

Data as of: 03.11.2009, 06:15:00

2009 2008 2007 2006 Jan Feb Mrz Apr Mai Jun Jul Aug Sep Okt Nov Dez Week

analysis of trends

Revenue
Gross Profit
Gross Profit Margin



analysis of trends

Data as of : 03.11.2009, 06:15:00

2009 | 2008 | 2007 | 2006 | Jan | Feb | Mrz | Apr | Mai | Jun | Jul | Aug | Sep | Okt | Nov | Dez | Week | ▾ | ○

- Customer** ?
Modehuset Abel
TTT-The Ticky Tie
Jazz Style Fashion& Art
Da Santho Cosmethia

- Salesrep** ?
Rock Roll
Elvis Presley
Rob Carsson
Joan Collins

- Product** ?
Mehmet-Napp
Mehmet-Skor
Sumi Underwear
Shagall Socks

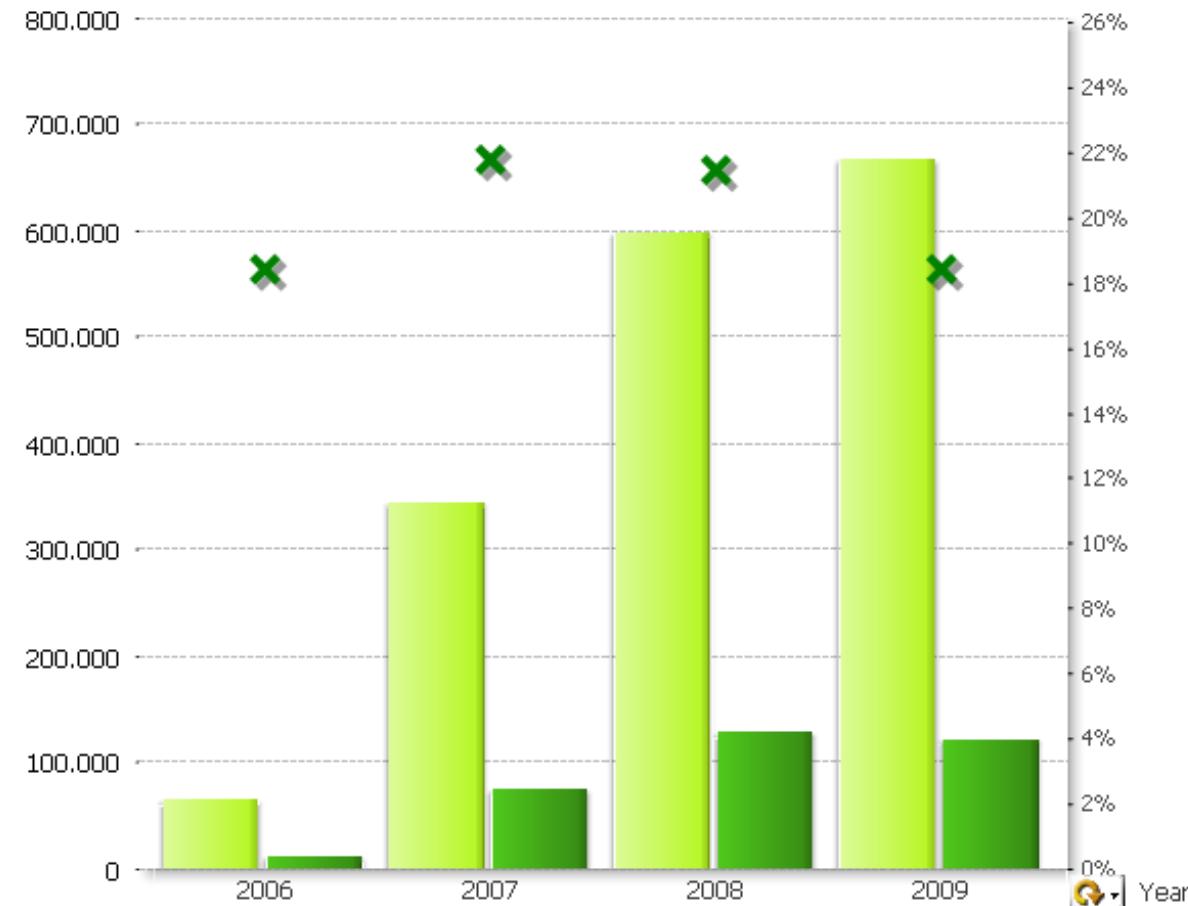
product development**seasonal revenue YTD****rolling 3 6 9****analysis of salestrends****costumer revenue YTD**

Feld Filter
Verteilung proportional
smethode

analysis of trends

What are the units?

- Revenue
- Gross Profit
- Gross Profit Margin



analysis of trends

Data as of : 03.11.2009, 06:15:00

2009 | 2008 | 2007 | 2006 | Jan | Feb | Mrz | Apr | Mai | Jun | Jul | Aug | Sep | Okt | Nov | Dez | Week | ▾

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Shagall Socks

product development**seasonal revenue YTD****rolling 3 6 9****analysis of salestrends****costumer revenue YTD**

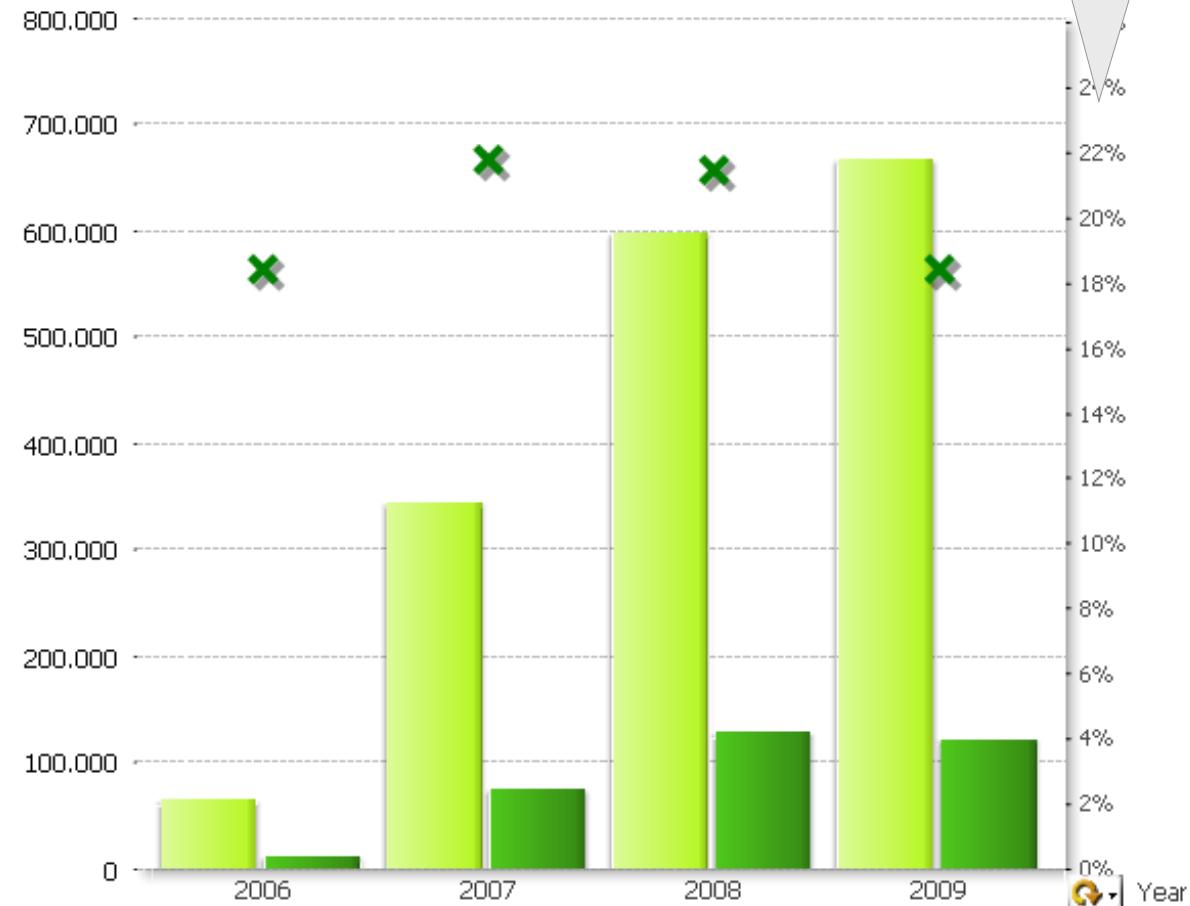
Feld Filter
Verteilung proportional
smethode

analysis of trends

What is the measure?

What are the units?

- Revenue
- Gross Profit
- Gross Profit Margin



analysis of trends

Data as of: 03.11.2009, 06:15:00

2009 | 2008 | 2007 | 2006 | Jan | Feb | Mrz | Apr | Mai | Jun | Jul | Aug | Sep | Okt | Nov | Dez | Week | ▾ | ○

Customer ?
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 Sumi Underwear
 Shagall Socks

product development

seasonal revenue YTD

rolling 3 6 9

analysis of salestrends

costumer revenue YTD

Feld Filter
 Verteilung proportional
 smethode

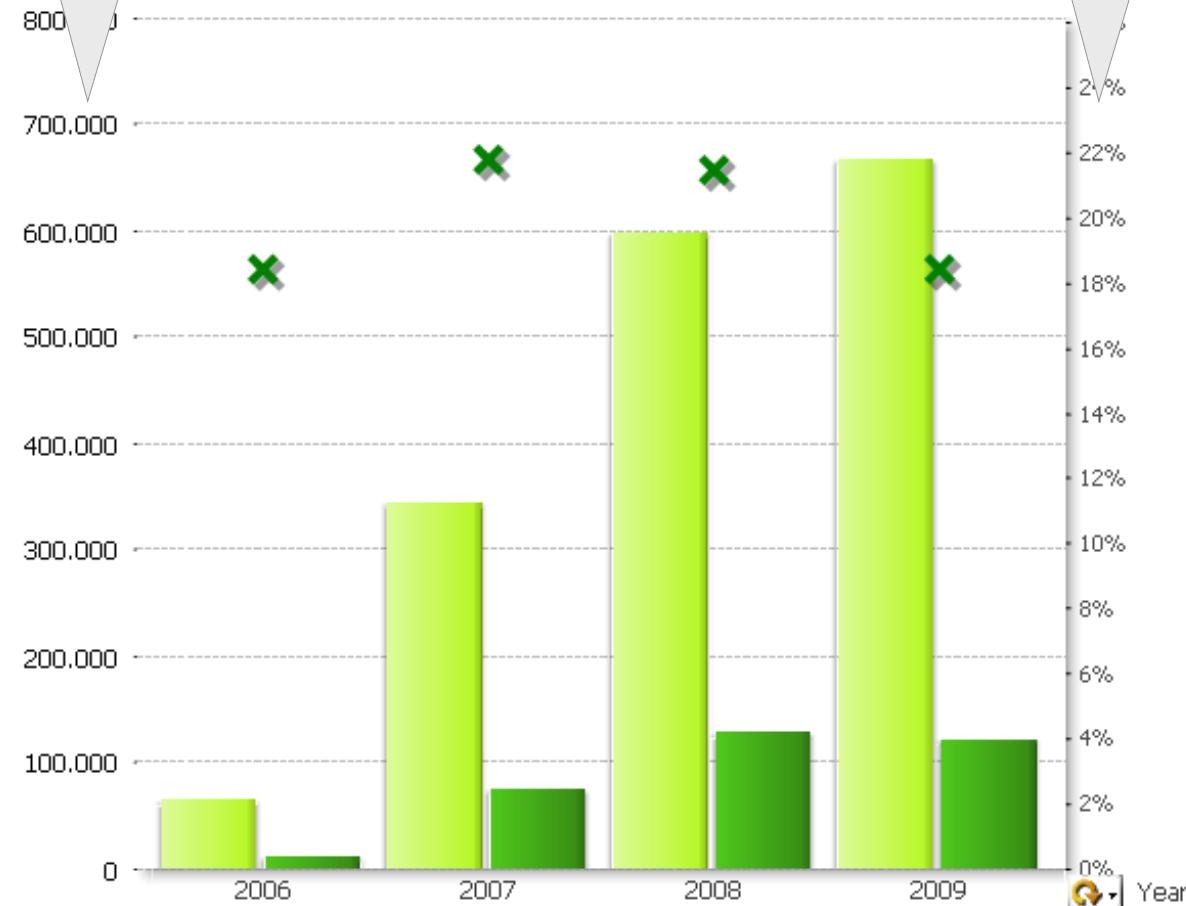
What is the measure?

analysis of trends

What is the measure?

What are the units?

Revenue
 Gross Profit
 Gross Profit Margin



analysis of trends

Data as of : 03.11.2009, 06:15:00

2009 | 2008 | 2007 | 2006 | Jan | Feb | Mrz | Apr | Mai | Jun | Jul | Aug | Sep | Okt | Nov | Dez | Week | ▾ | ○

Customer

Modehuset Abel
TTT-The Ticky Tie
Jazz Style Fashion& Art
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Salesrep

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Product

Mehmet-Napp
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Shagall Socks

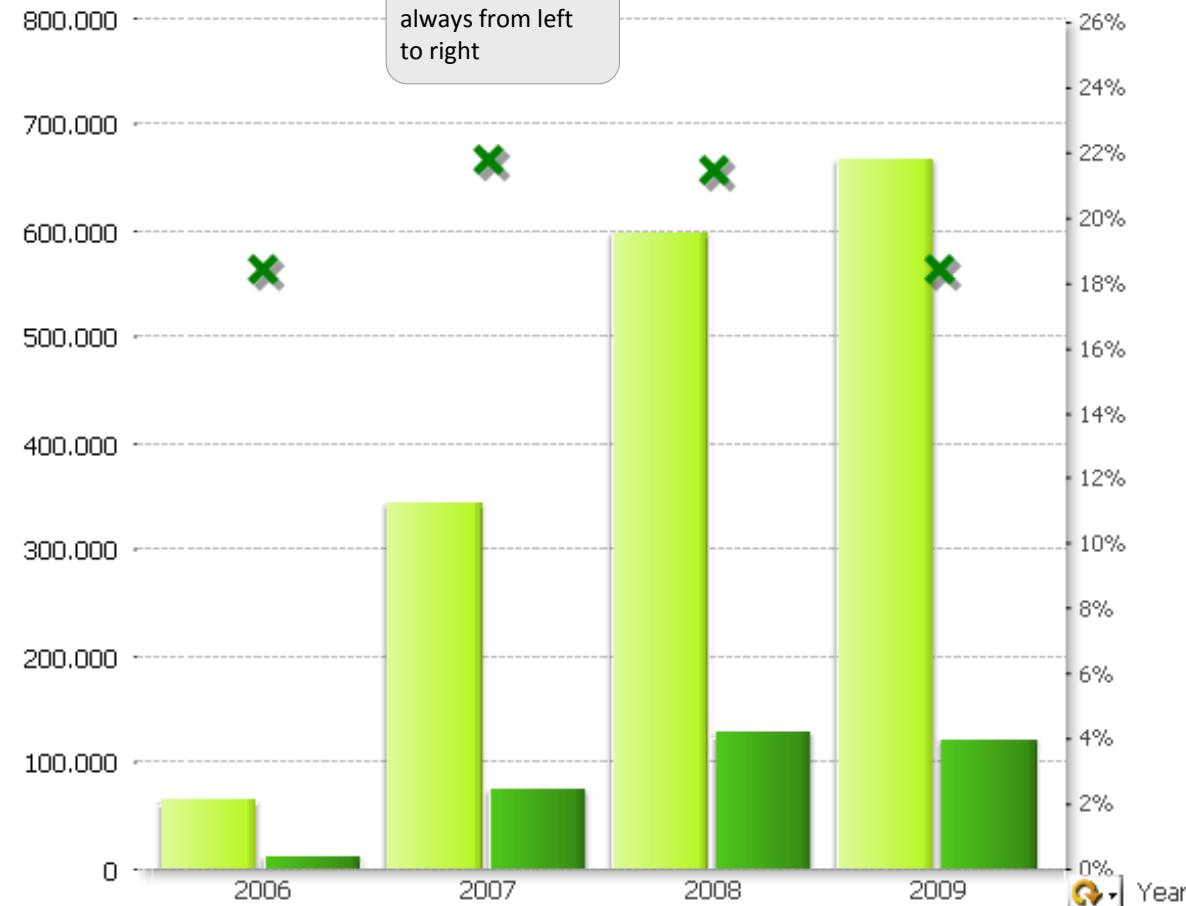
product development**seasonal revenue YTD****rolling 3 6 9****analysis of salestrends****costumer revenue YTD****Feld Filter**

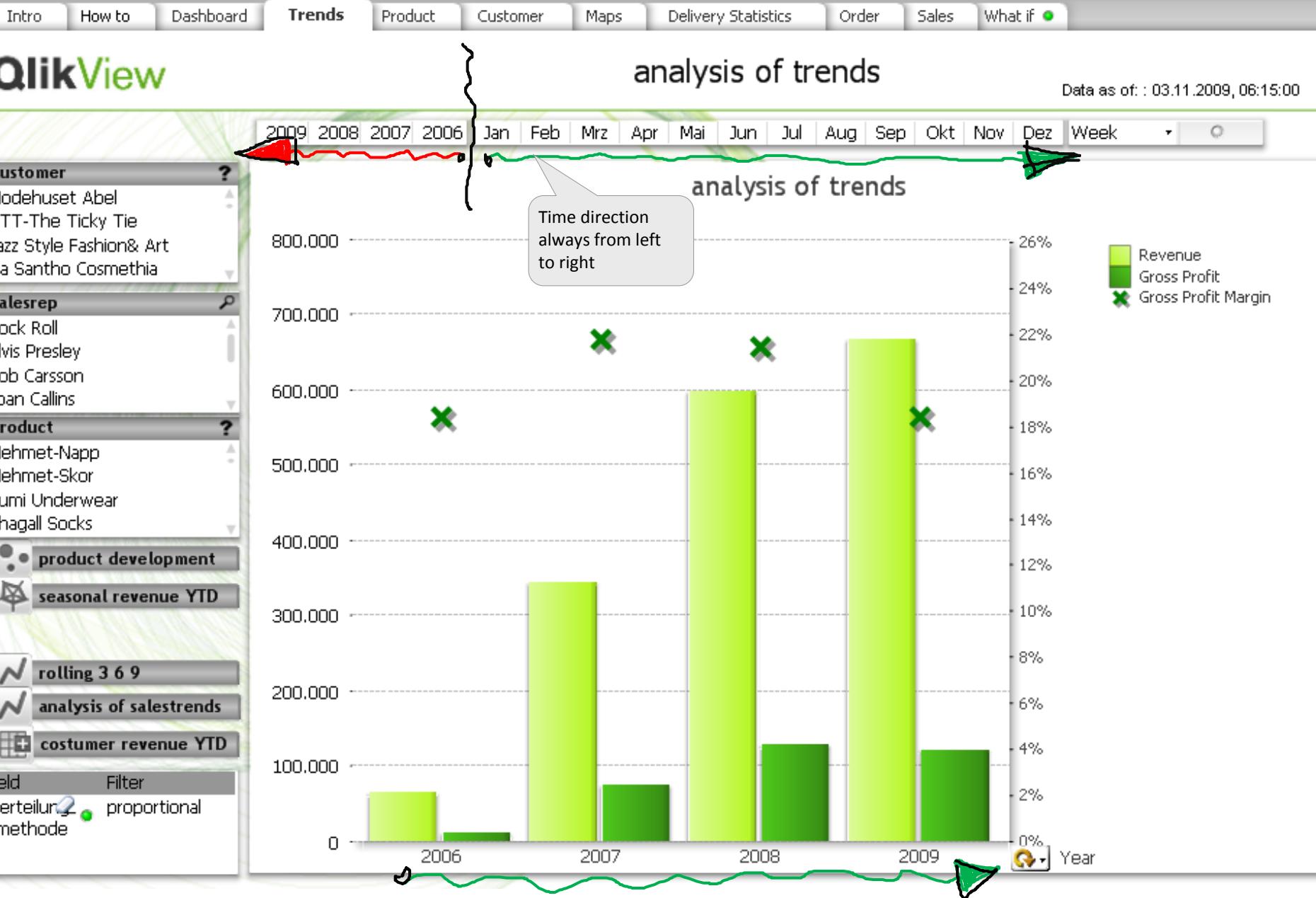
Verteilung proportional
smethode

Time direction
always from left
to right

analysis of trends

Revenue
Gross Profit
Gross Profit Margin





analysis of trends

Data as of: 03.11.2009, 06:15:00

2009 | 2008 | 2007 | 2006 | Jan | Feb | Mrz | Apr | Mai | Jun | Jul | Aug | Sep | Okt | Nov | Dez | Week | ▾ | ○

Customer

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 Sumi Underwear
 Shagall Socks

product development

seasonal revenue YTD

rolling 3 6 9

analysis of salestrends

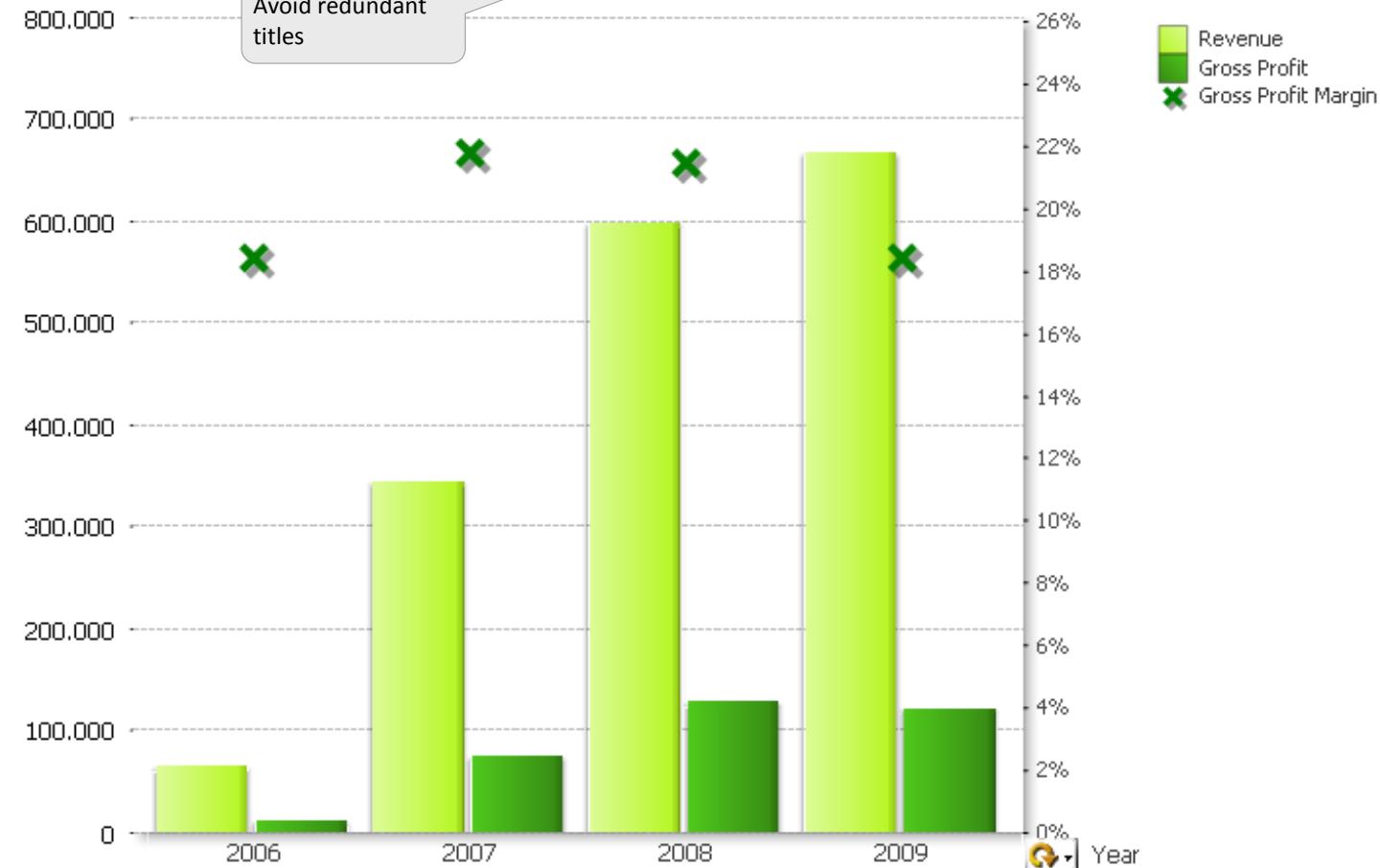
costumer revenue YTD

Feld Filter

Verteilung proportional
 smethode

Avoid redundant titles

analysis of trends



QlikView

analysis of trends

Data as of: 03.11.2009, 06:15:00

2009 2008 2007 2006 Jan Feb Mrz Apr Mai Jun Jul Aug Sep Okt Nov Dez Week

Avoid redundant titles

analysis of trends

Revenue
Gross Profit
Gross Profit Margin

Customer
Modehuset Abel
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Da Santho Cosmethia

Salesrep
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Elvis Presley
Rob Carsson
Joan Collins

Product
Mehmet-Napp
Mehmet-Skor
Sumi Underwear
Shagall Socks

product development

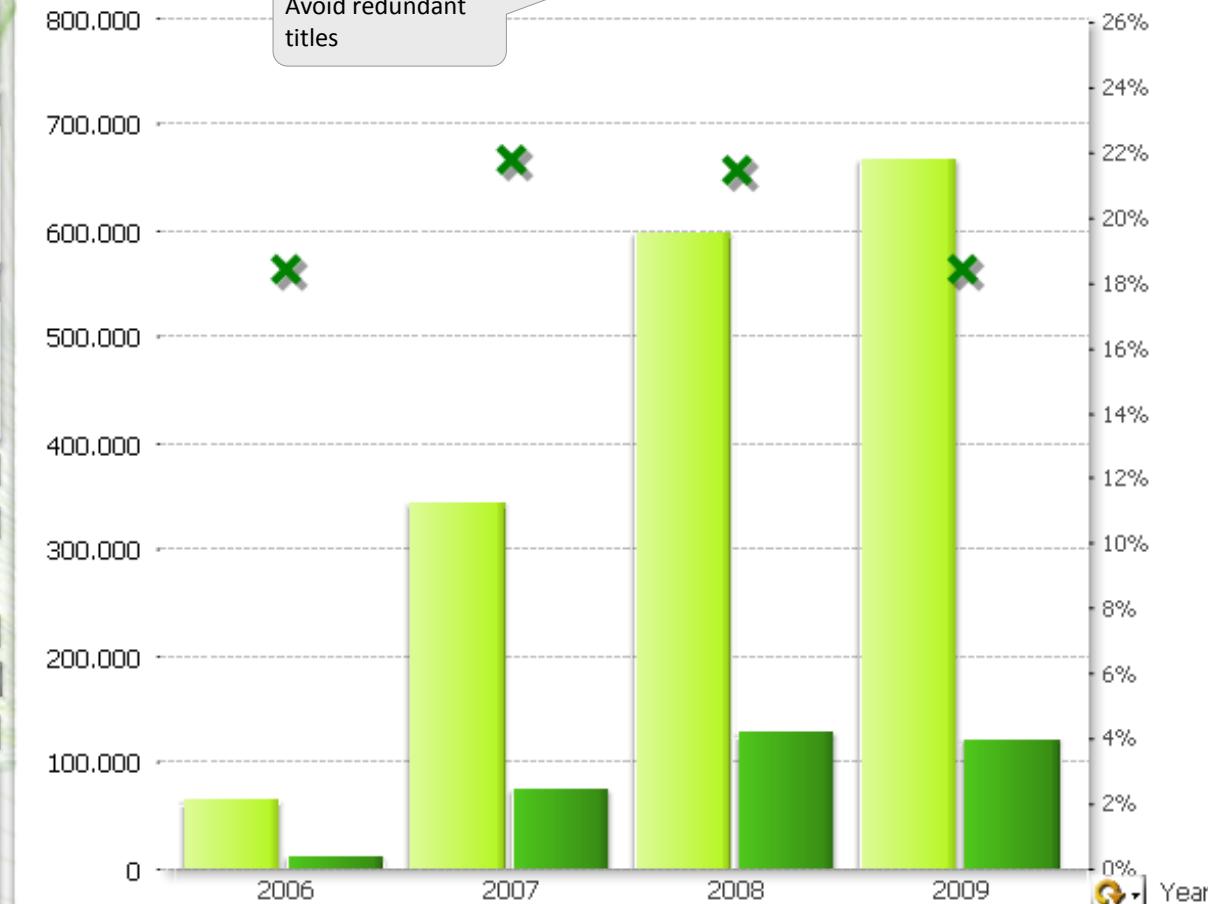
seasonal revenue YTD

rolling 3 6 9

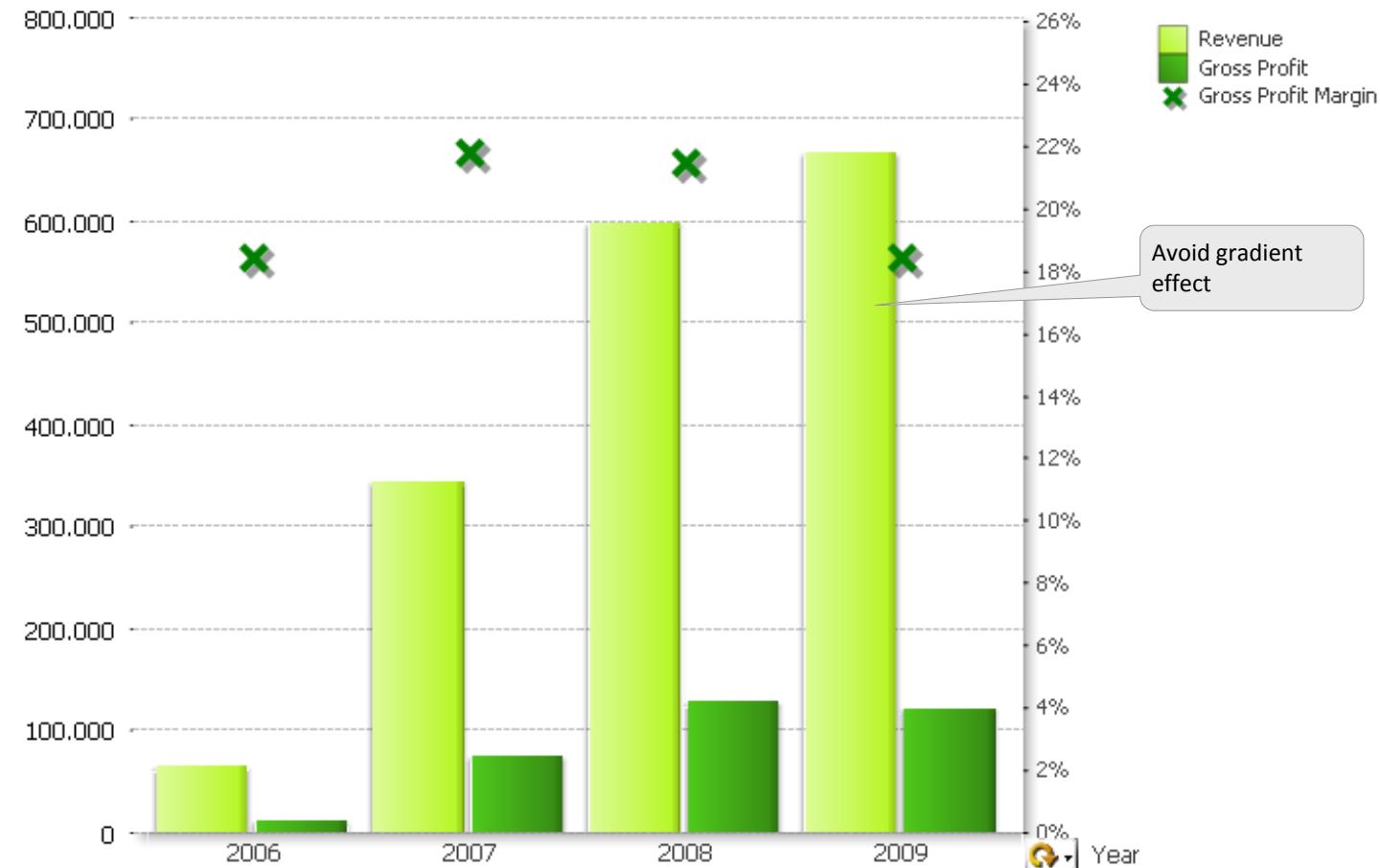
analysis of salestrends

costumer revenue YTD

Feld Filter
Verteilung proportional
smethode



2009 | 2008 | 2007 | 2006 | Jan | Feb | Mrz | Apr | Mai | Jun | Jul | Aug | Sep | Okt | Nov | Dez | Week | ▾ | ○

analysis of trends

2009 | 2008 | 2007 | 2006 | Jan | Feb | Mrz | Apr | Mai | Jun | Jul | Aug | Sep | Okt | Nov | Dez | Week | ▾ | ○

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product development

seasonal revenue YTD

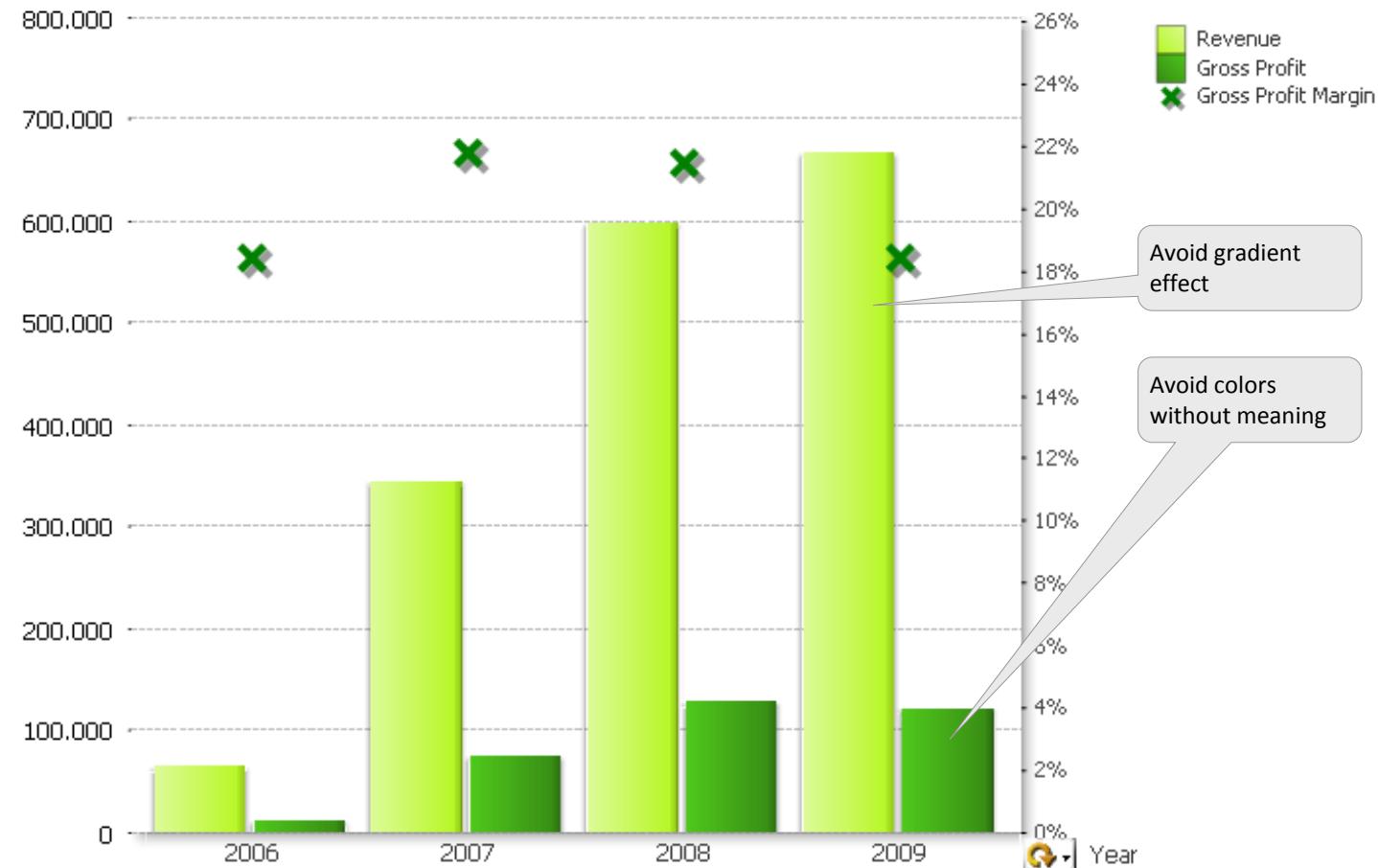
rolling 3 6 9

analysis of salestrends

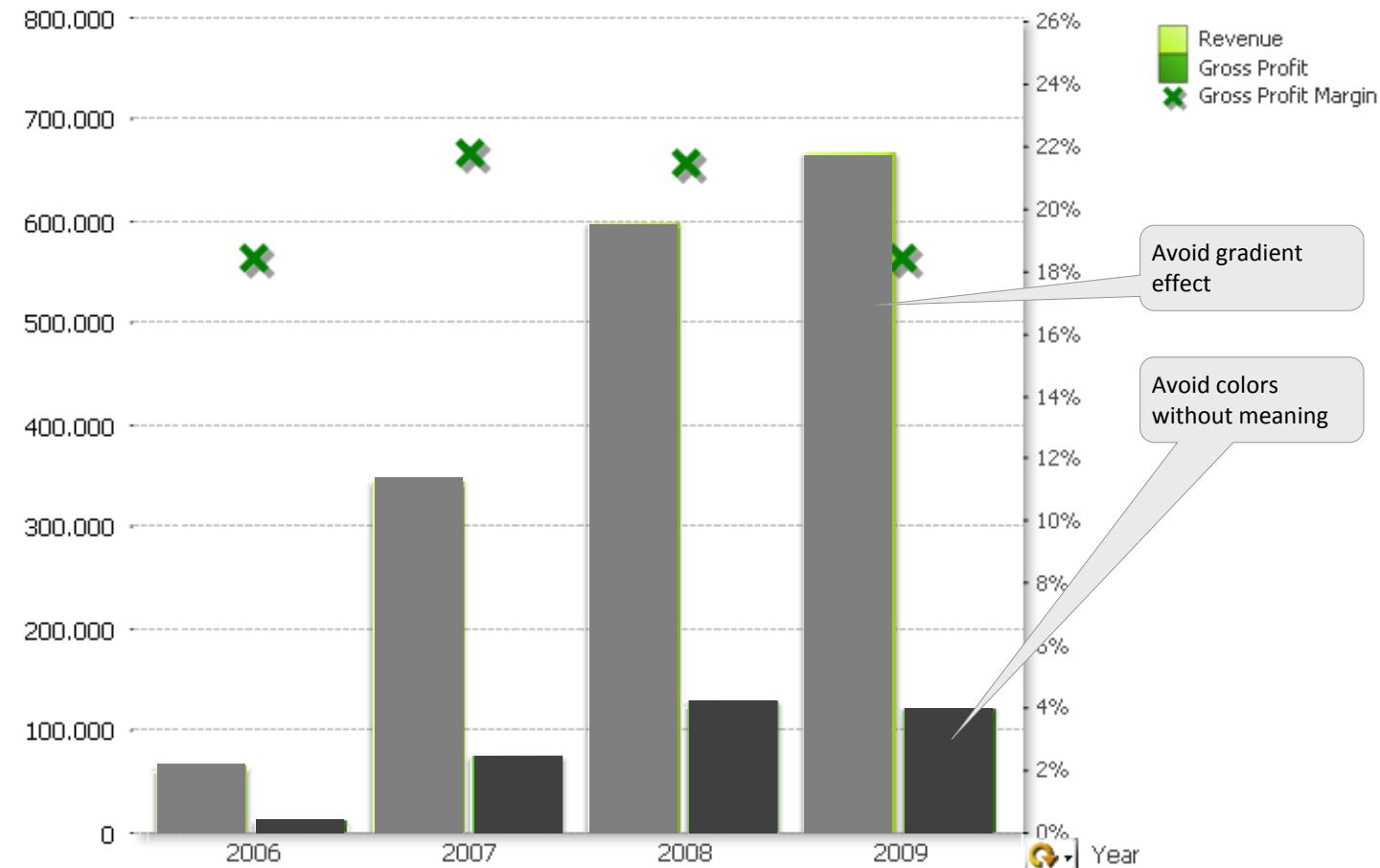
costumer revenue YTD

Feld Filter
 Verteilung proportional
 smethode

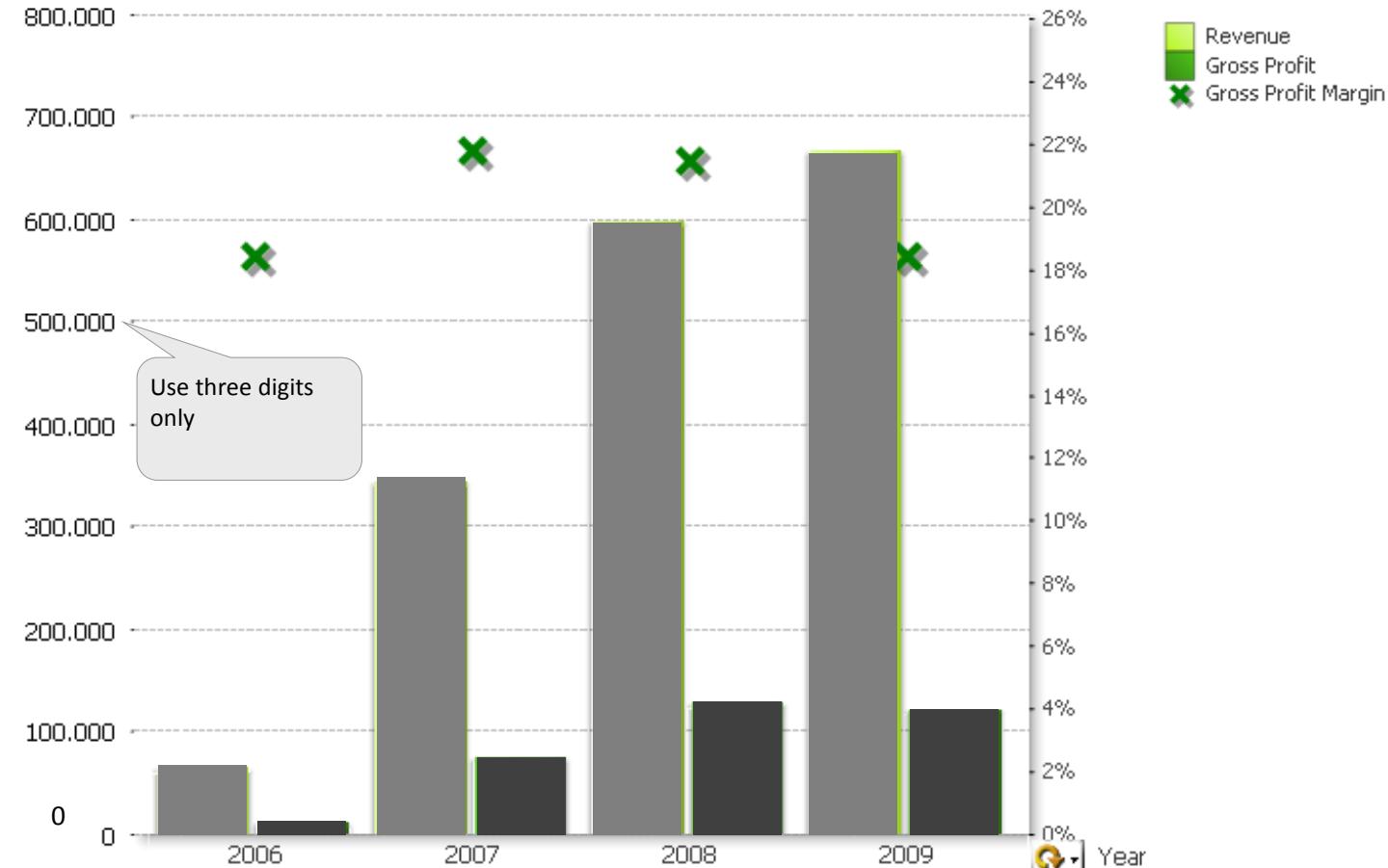
analysis of trends



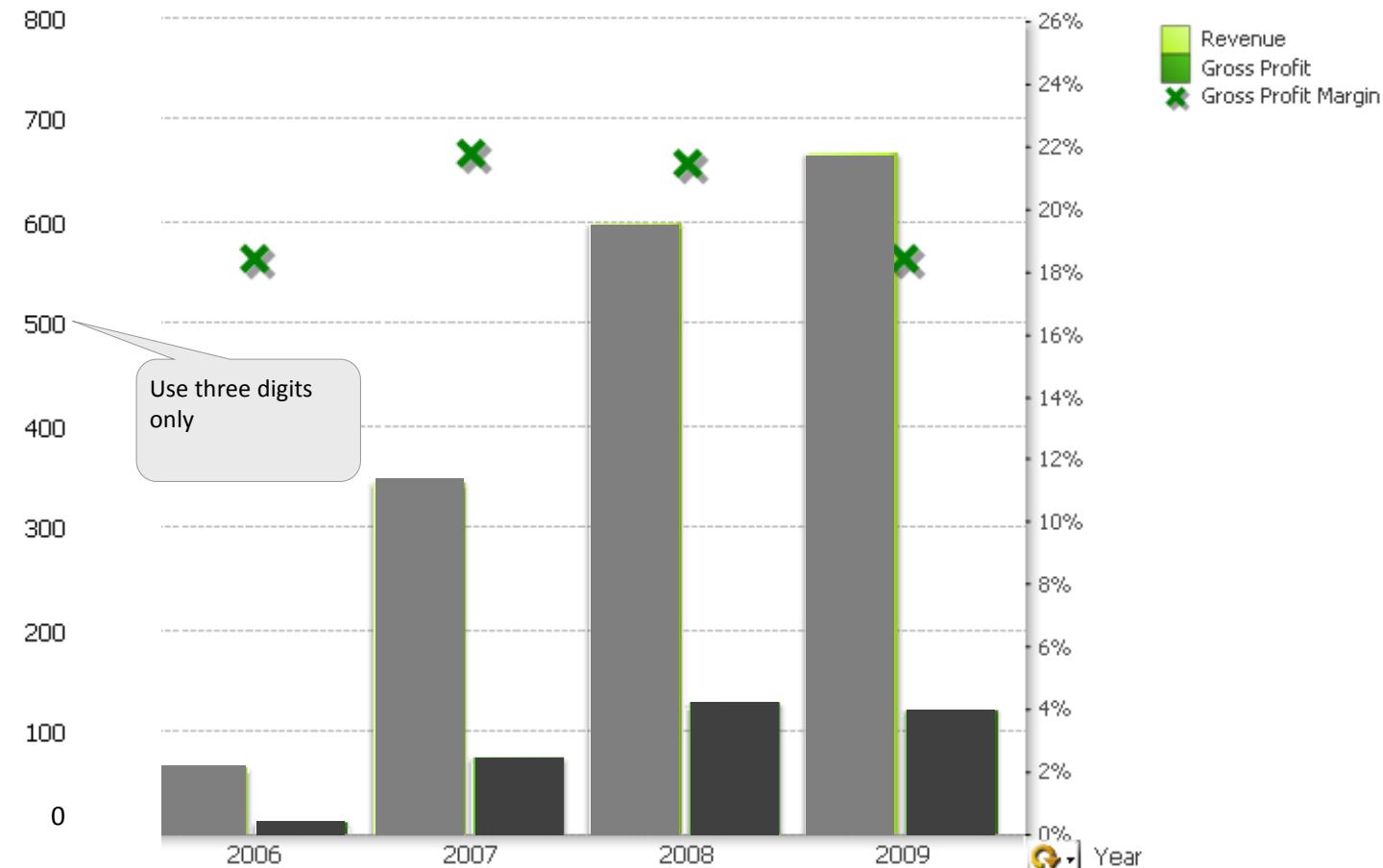
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analysis of trends

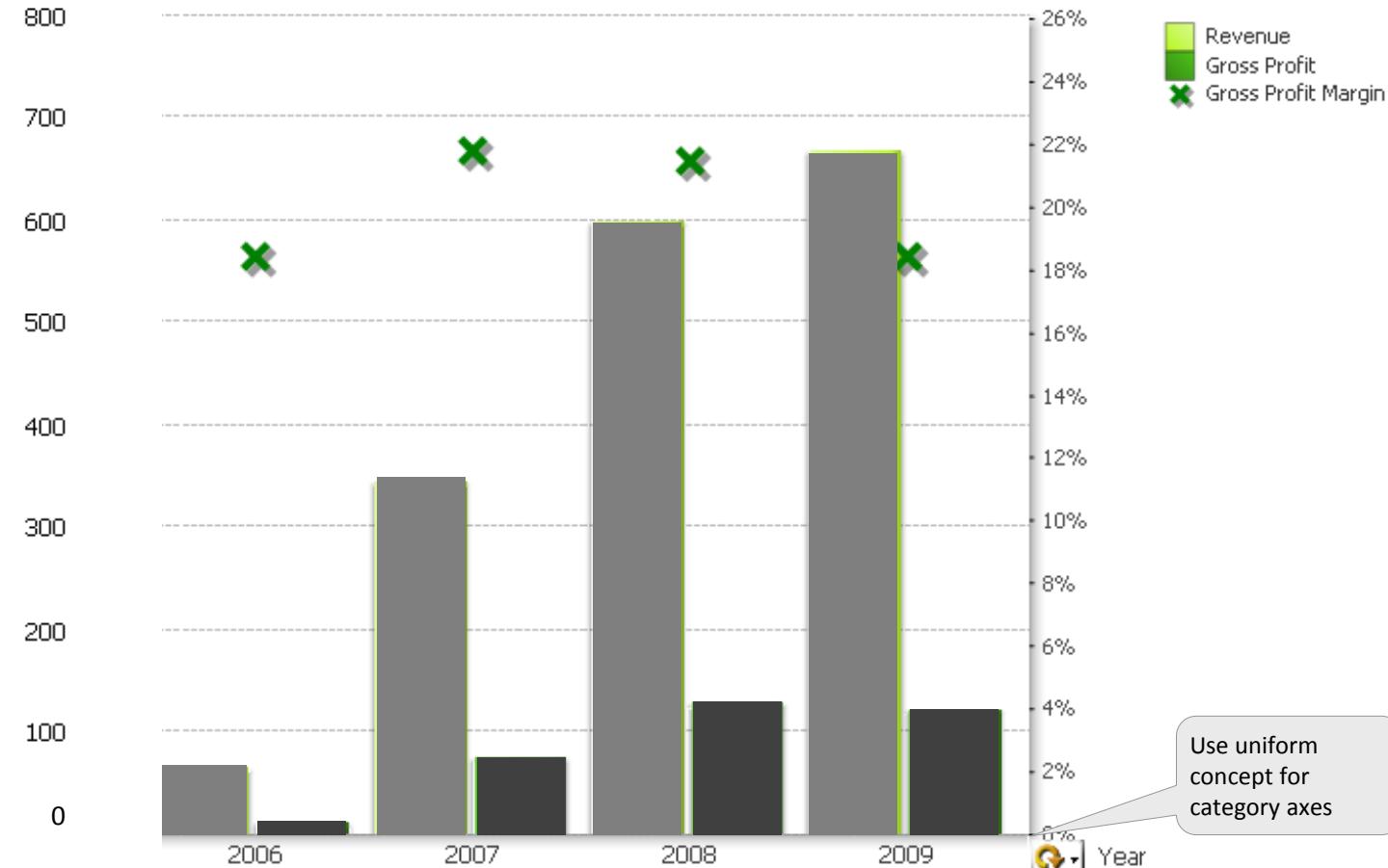
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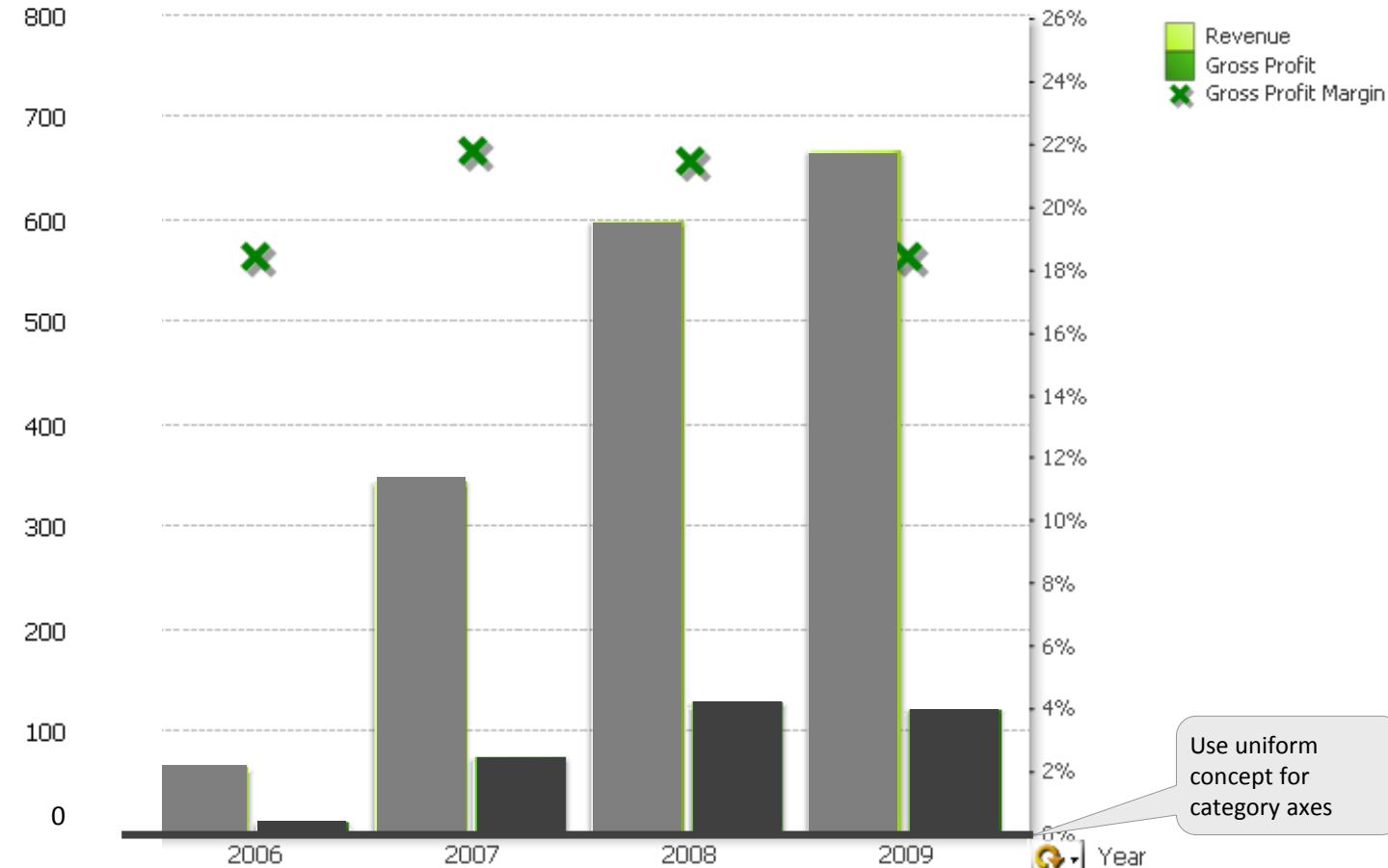
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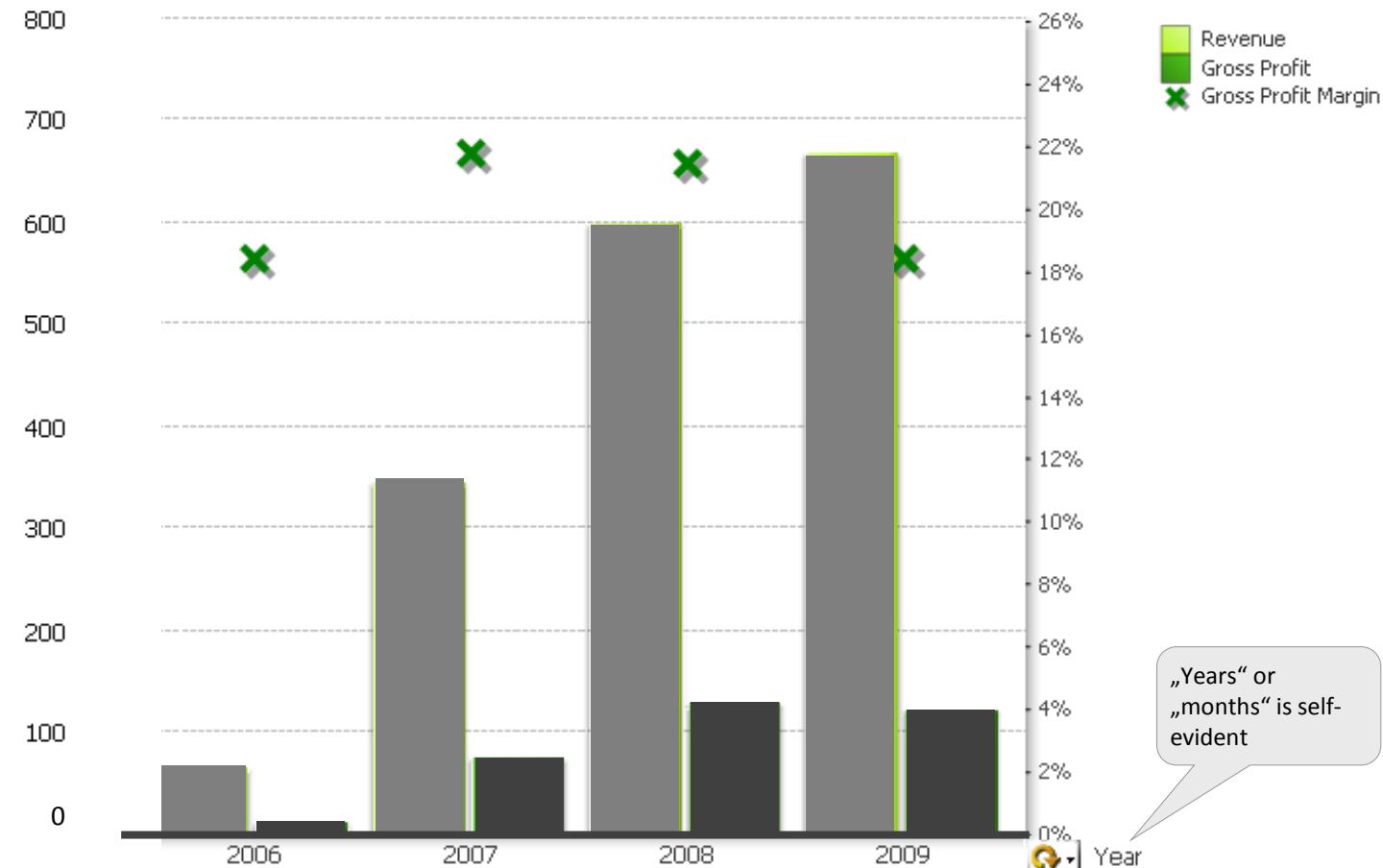
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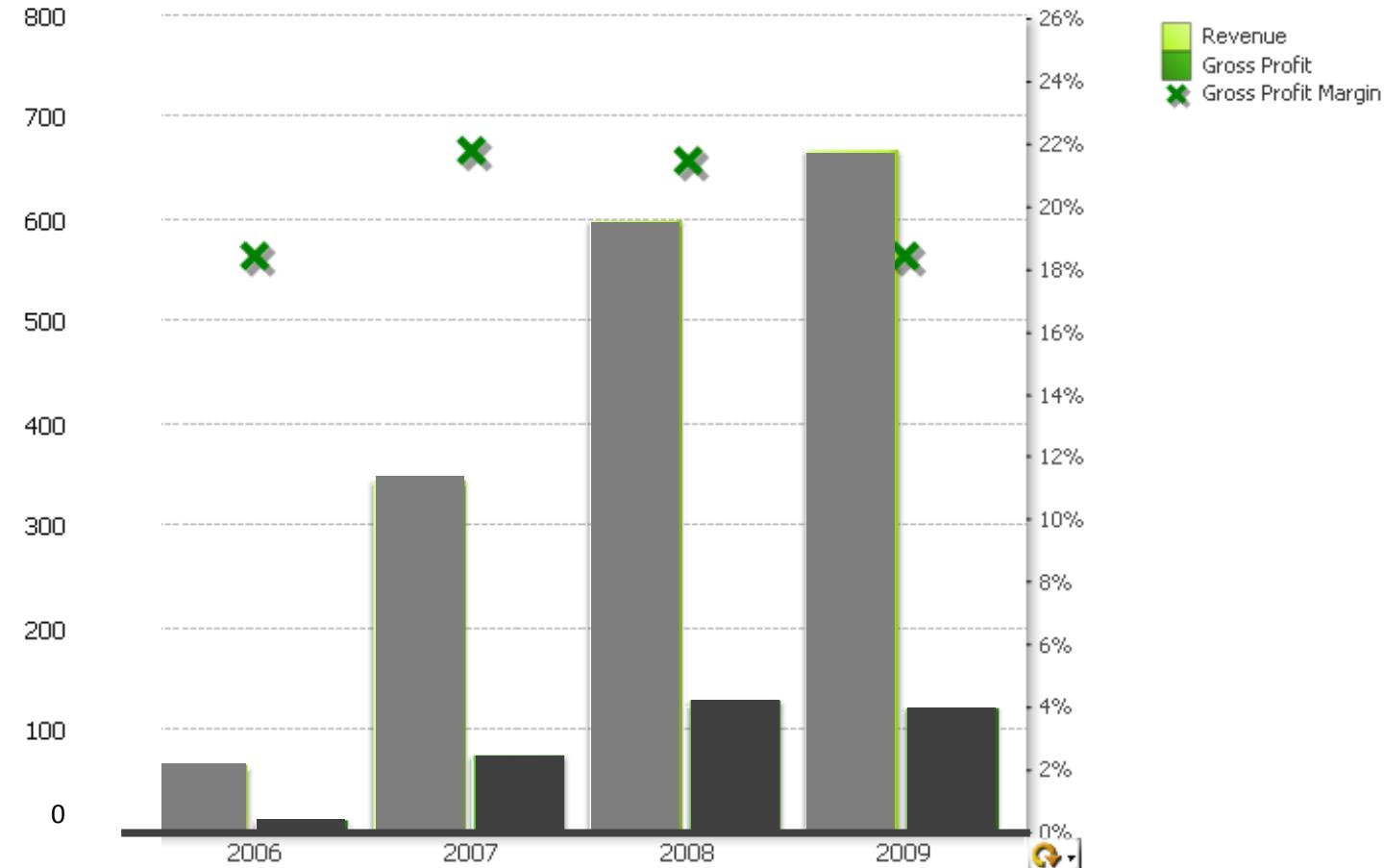
2009 | 2008 | 2007 | 2006 | Jan | Feb | Mrz | Apr | Mai | Jun | Jul | Aug | Sep | Okt | Nov | Dez | Week | ▾ | ○

analysis of trendsUse uniform
concept for
category axes

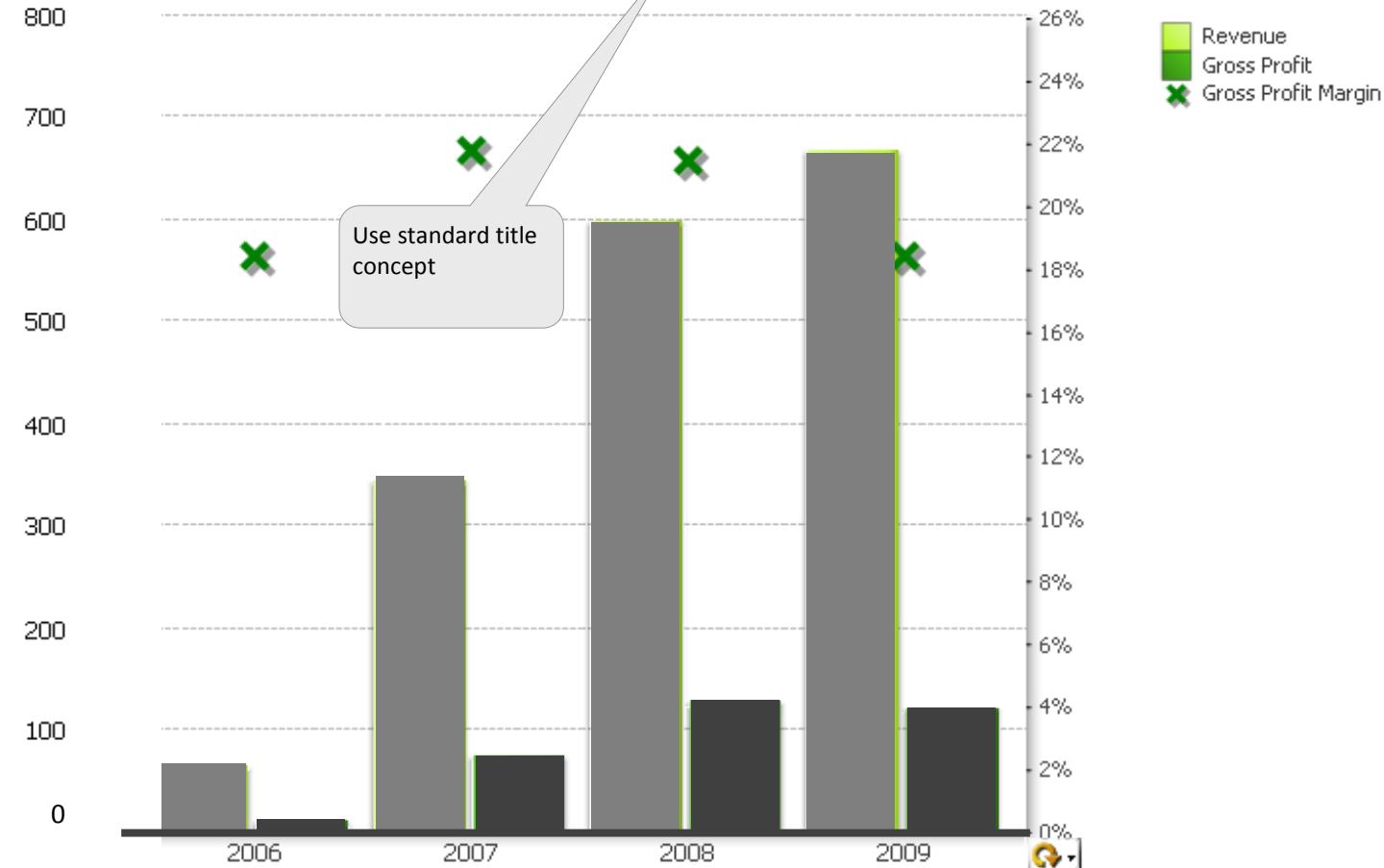
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analysis of trends

2009 | 2008 | 2007 | 2006 | Jan | Feb | Mrz | Apr | Mai | Jun | Jul | Aug | Sep | Okt | Nov | Dez | Week | ▾ | ○

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Data as of : 03.11.2009, 06:15:00

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 - Joan Collins

- Product**
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 - Mehmet-Skor
 - Sumi Underwear
 - Shagall Socks

product development

seasonal revenue YTD

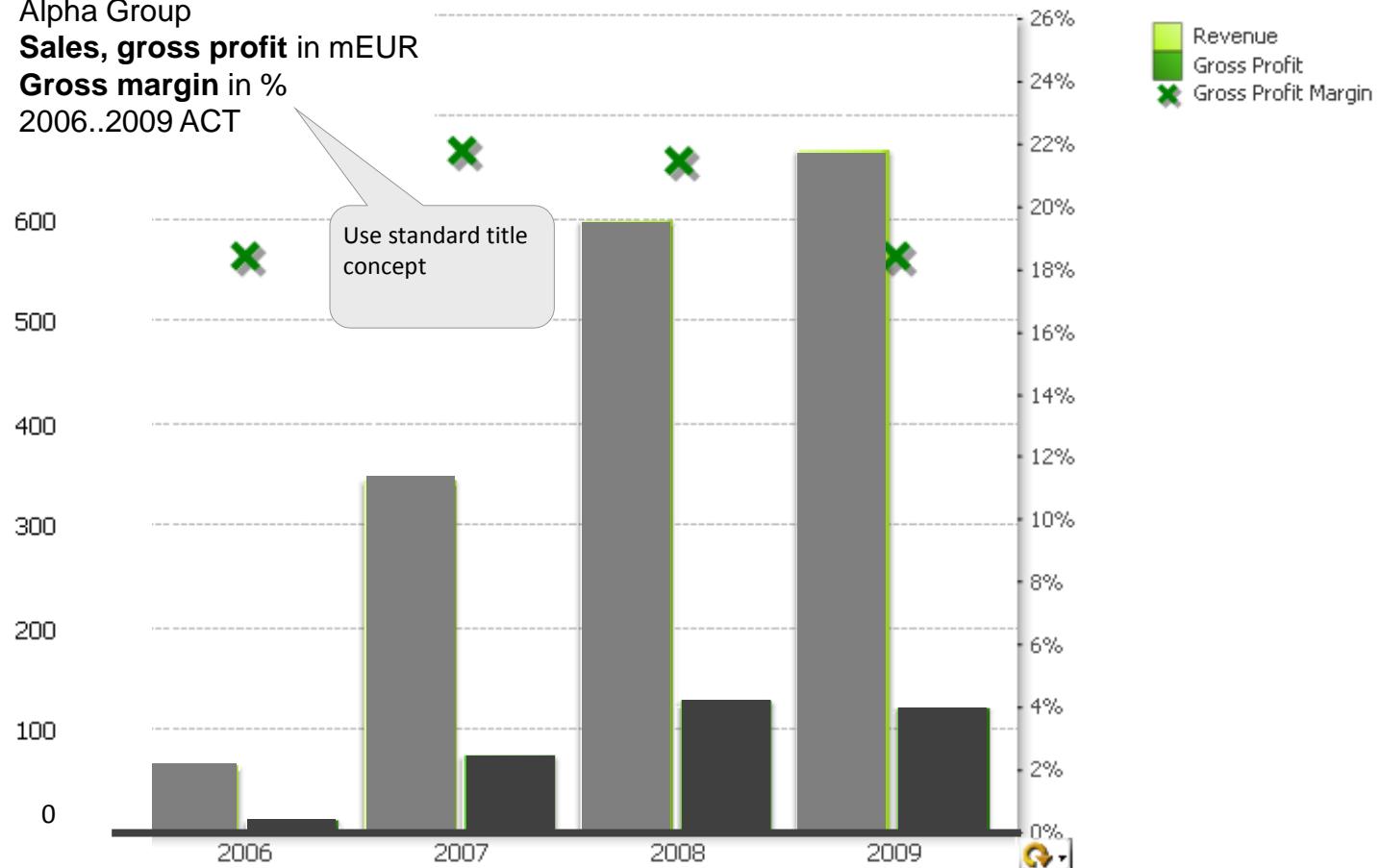
rolling 3 6 9

analysis of salestrends

costumer revenue YTD

Feld Filter
Verteilung proportional
smethode

Alpha Group
Sales, gross profit in mEUR
Gross margin in %
2006..2009 ACT



Data as of: 03.11.2009, 06:15:00

2009 2008 2007 2006 Jan Feb Mrz Apr Mai Jun Jul Aug Sep Okt Nov Dez Week ▾

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product development

seasonal revenue YTD

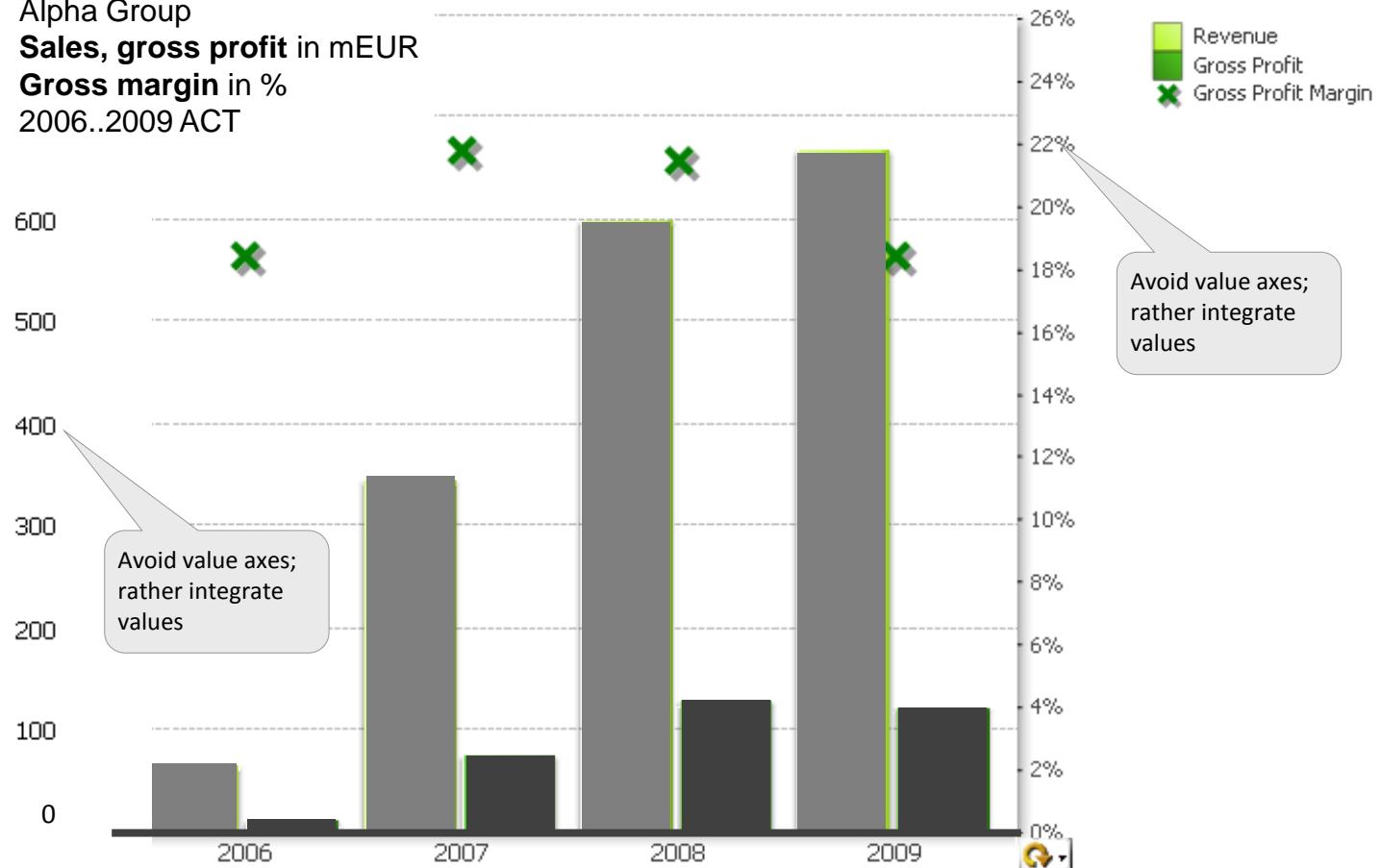
rolling 3 6 9

analysis of salestrends

costumer revenue YTD

Feld Filter
Verteilung proportional
smethode

Alpha Group
Sales, gross profit in mEUR
Gross margin in %
2006..2009 ACT



Avoid value axes;
rather integrate
values

Data as of: 03.11.2009, 06:15:00

2009 2008 2007 2006 Jan Feb Mrz Apr Mai Jun Jul Aug Sep Okt Nov Dez Week

Revenue
Gross Profit
Gross Profit Margin

Customer
Modehuset Abel
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Da Santho Cosmethia

Salesrep
Rock Roll
Elvis Presley
Rob Carsson
Joan Collins

Product
Mehmet-Napp
Mehmet-Skor
Sumi Underwear
Shagall Socks

product development

seasonal revenue YTD

rolling 3 6 9

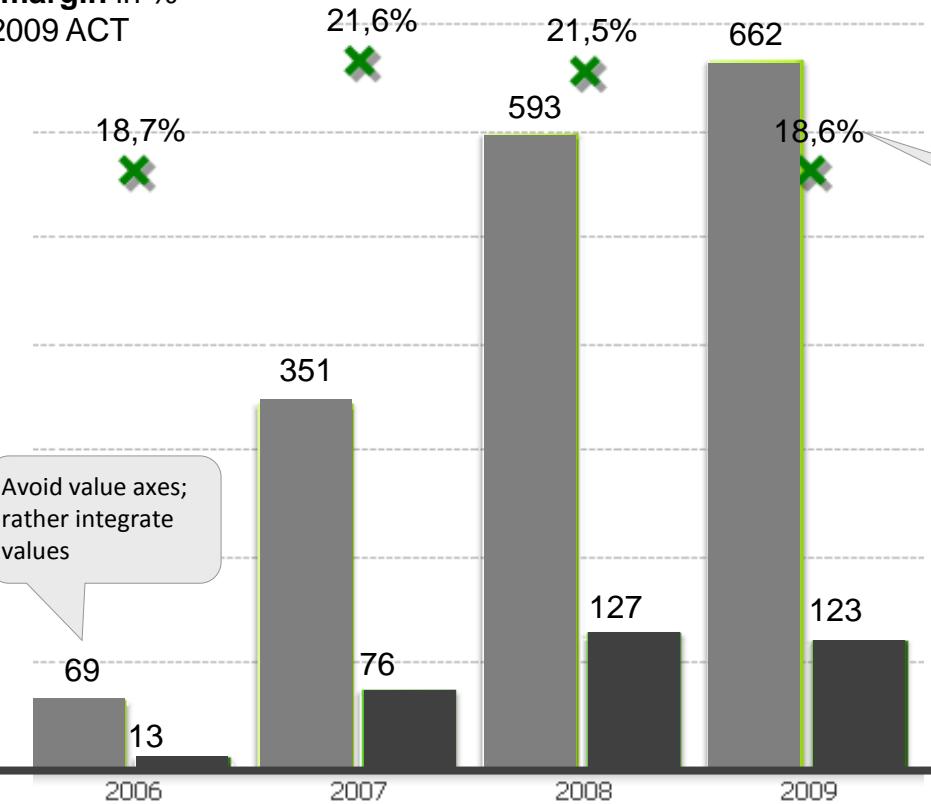
analysis of salestrends

costumer revenue YTD

Feld Filter
Verteilung proportional
smethode

Alpha Group Sales, gross profit in mEUR

Gross margin in %
2006..2009 ACT



Avoid value axes;
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Data as of : 03.11.2009, 06:15:00

2009 2008 2007 2006 Jan Feb Mrz Apr Mai Jun Jul Aug Sep Okt Nov Dez Week

Revenue
Gross Profit
Gross Profit Margin

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Product
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Sumi Underwear
Shagall Socks

product development

seasonal revenue YTD

rolling 3 6 9

analysis of salestrends

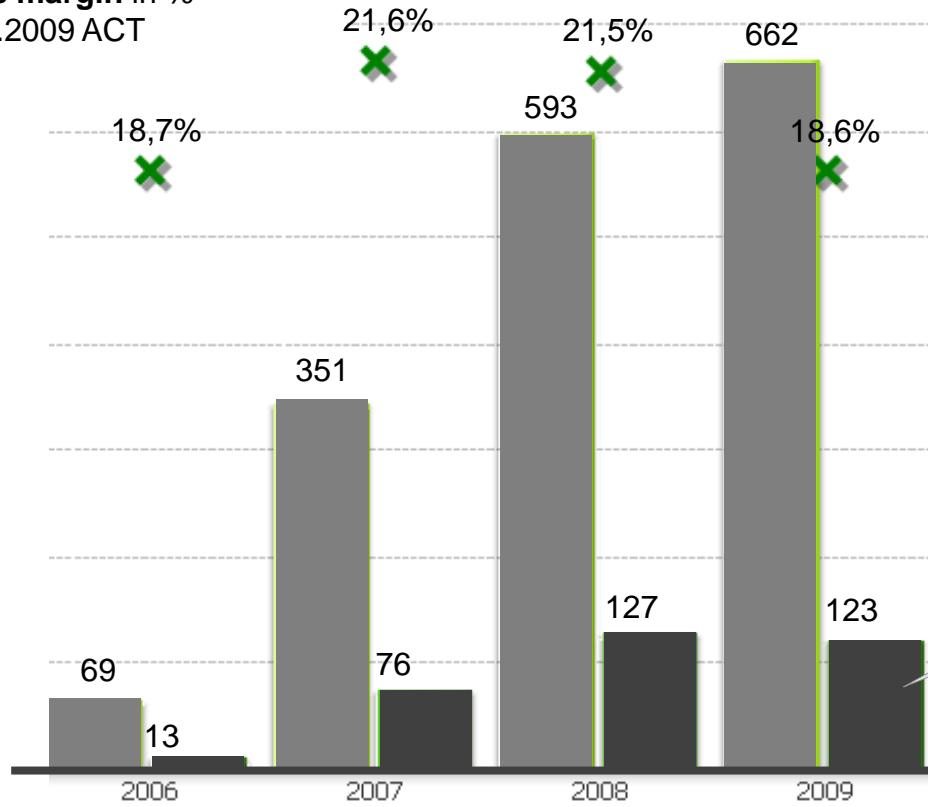
costumer revenue YTD

Feld Filter
Verteilung proportional
smethode

Alpha Group Sales, gross profit in mEUR

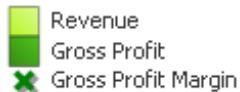
Gross margin in %

2006..2009 ACT



Better: Show gross profit as part of sales

2009 2008 2007 2006 Jan Feb Mrz Apr Mai Jun Jul Aug Sep Okt Nov Dez Week

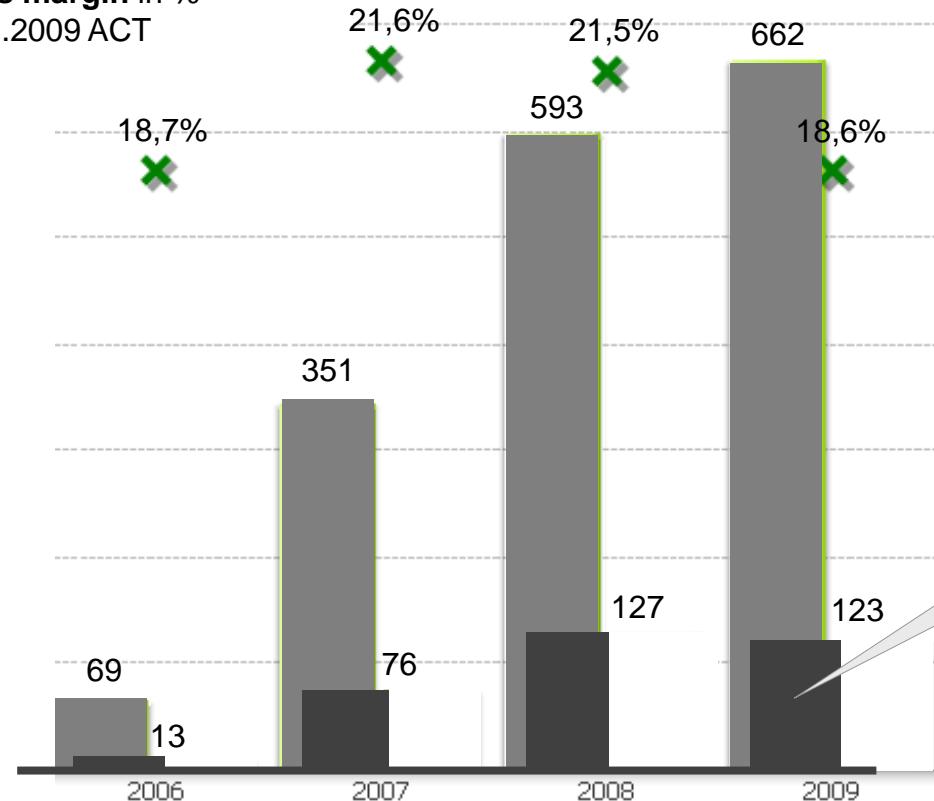


Revenue
Gross Profit
Gross Profit Margin

Customer
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TTT-The Ticky Tie
Jazz Style Fashion& Art
Da Santho Cosmethia**Salesrep**
Rock Roll
Elvis Presley
Rob Carsson
Joan Collins**Product**
Mehmet-Napp
Mehmet-Skor
Sumi Underwear
Shagall Socks**product development****seasonal revenue YTD****rolling 3 6 9****analysis of salestrends****costumer revenue YTD****Feld Filter**
Verteilung proportional
smethode

Alpha Group Sales, gross profit in mEUR

Gross margin in % 2006..2009 ACT



Better: Show
gross profit as
part of sales

2009 | 2008 | 2007 | 2006 | Jan | Feb | Mrz | Apr | Mai | Jun | Jul | Aug | Sep | Okt | Nov | Dez | Week | ▾ | ○

Customer ?

Modehuset Abel
TTT-The Ticky Tie
Jazz Style Fashion& Art
Da Santho Cosmethia

Salesrep ?

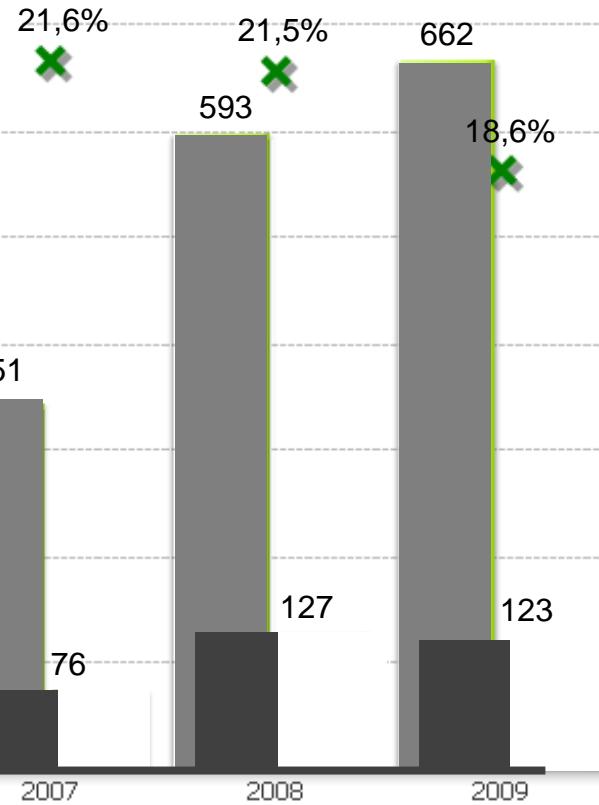
Rock Roll
Elvis Presley
Rob Carsson
Joan Collins

Product ?

Mehmet-Napp
Mehmet-Skor
Sumi Underwear
Shagall Socks

product development**seasonal revenue YTD****rolling 3 6 9****analysis of salestrends****costumer revenue YTD****Feld**Filter
Verteilung proportional
smethode**Alpha Group**
Sales, gross profit in mEUR**Gross margin in %**

2006..2009 ACT



Revenue (Yellow bar)
Gross Profit (Green bar)
Gross Profit Margin (Green X)

Integrate legends

2009 2008 2007 2006 Jan Feb Mrz Apr Mai Jun Jul Aug Sep Okt Nov Dez Week

**Customer**

Modehuset Abel
TTT-The Ticky Tie
Jazz Style Fashion& Art
Da Santho Cosmethia

Salesrep

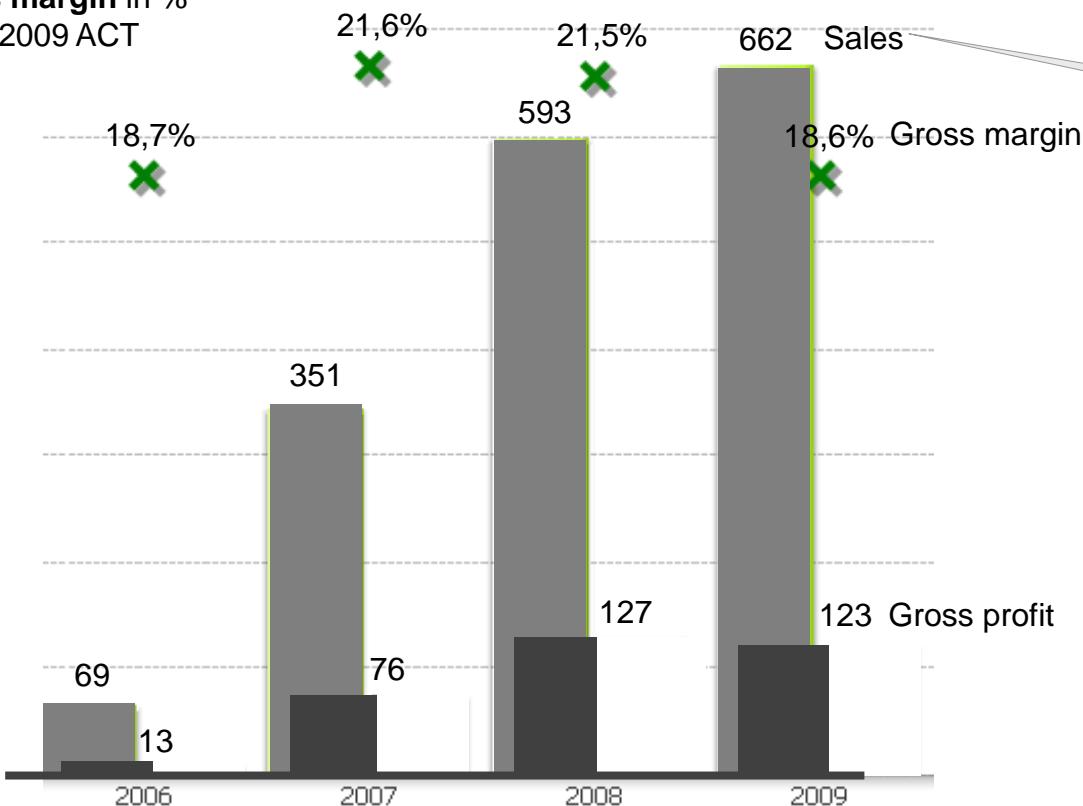
Rock Roll
Elvis Presley
Rob Carsson
Joan Collins

Product

Mehmet-Napp
Mehmet-Skor
Sumi Underwear
Shagall Socks

product development**seasonal revenue YTD****rolling 3 6 9****analysis of salestrends****costumer revenue YTD****Feld Filter**Verteilung proportional
smethode**Alpha Group**
Sales, gross profit in mEUR**Gross margin in %**

2006..2009 ACT



Integrate legends

Data as of: 03.11.2009, 06:15:00

2009 2008 2007 2006 Jan Feb Mrz Apr Mai Jun Jul Aug Sep Okt Nov Dez Week

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product development

seasonal revenue YTD

rolling 3 6 9

analysis of salestrends

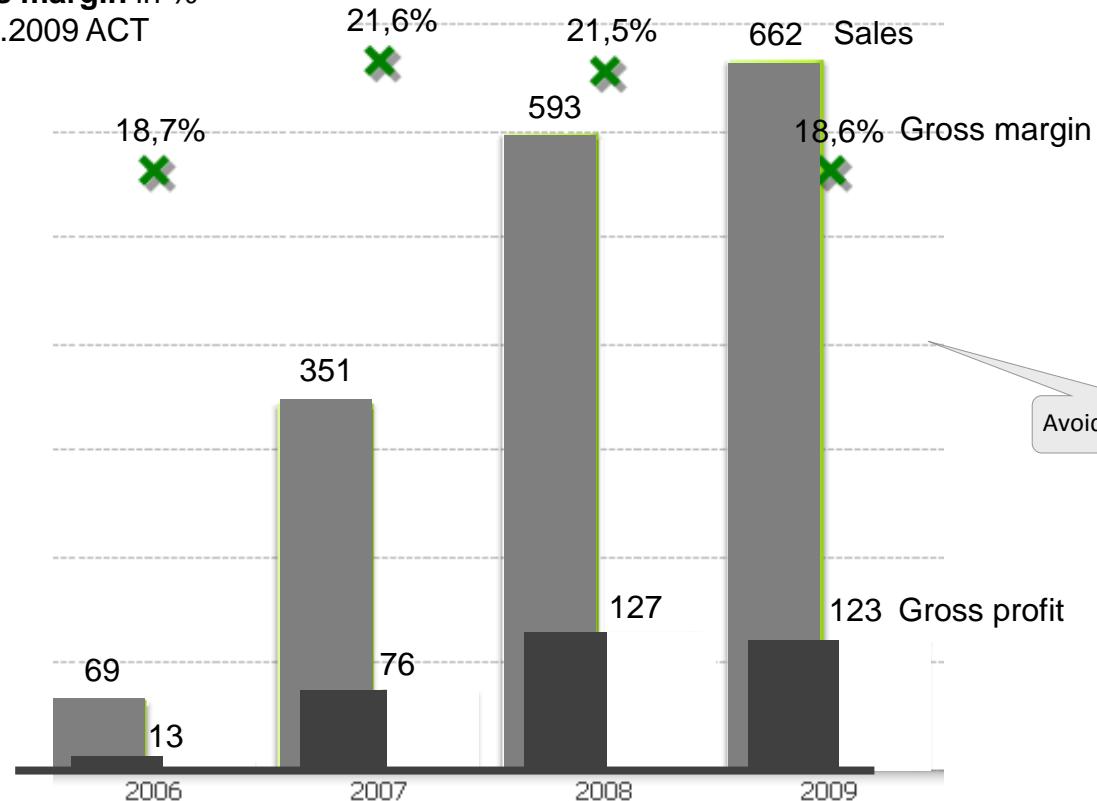
costumer revenue YTD

Feld Filter
Verteilung proportional
smethode

Alpha Group
Sales, gross profit in mEUR

Gross margin in %

2006..2009 ACT



Avoid grid lines

Data as of: 03.11.2009, 06:15:00

2009 2008 2007 2006 Jan Feb Mrz Apr Mai Jun Jul Aug Sep Okt Nov Dez Week

Reduce noise:
click away
buttons

Customer ?
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TTT-The Ticky Tie
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Da Santho Cosmethia

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product development

seasonal revenue YTD

rolling 3 6 9

analysis of salestrends

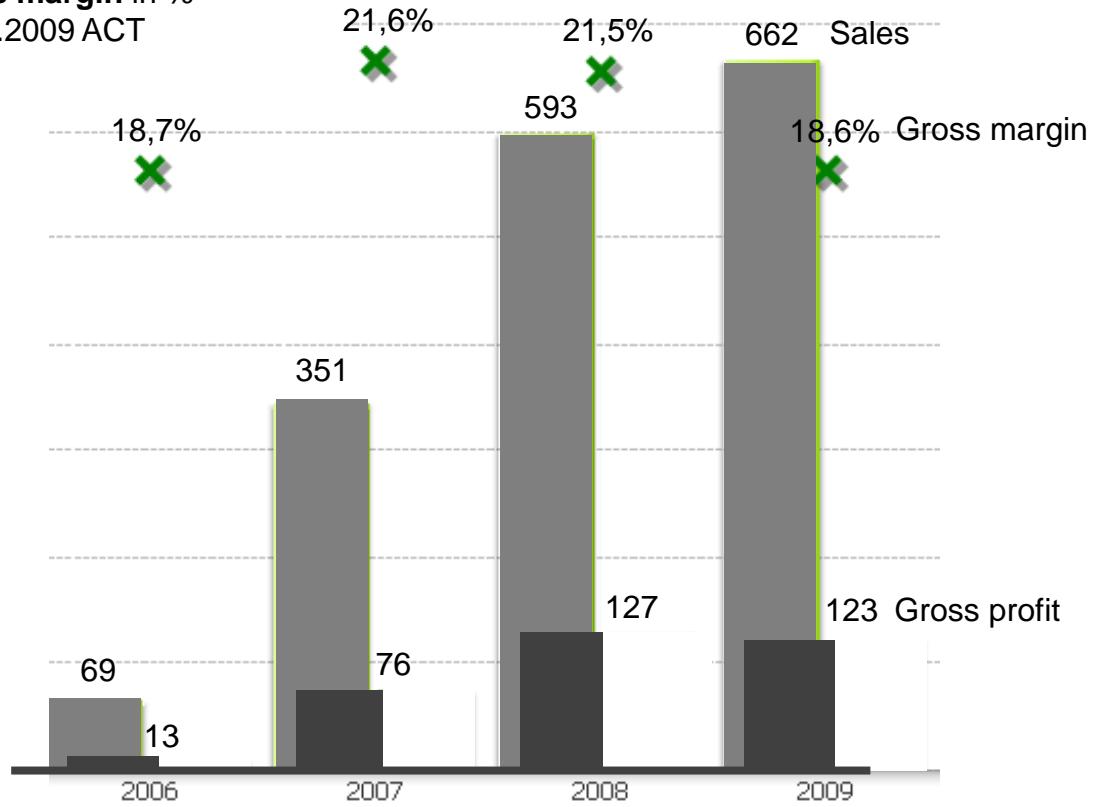
costumer revenue YTD

Feld Filter
Verteilung proportional
smethode

Alpha Group Sales, gross profit in mEUR

Gross margin in %

2006..2009 ACT



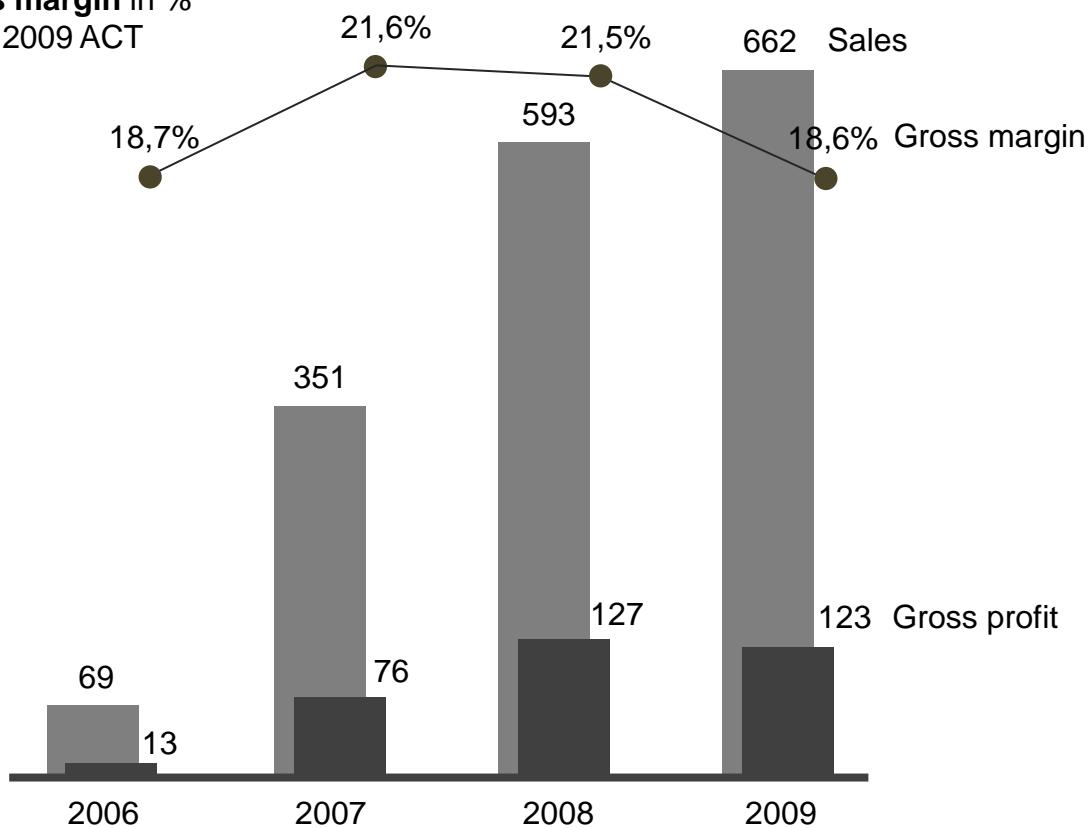
Reduce noise:
click away
buttons

Alpha Group

Sales, gross profit in mEUR

Gross margin in %

2006..2009 ACT

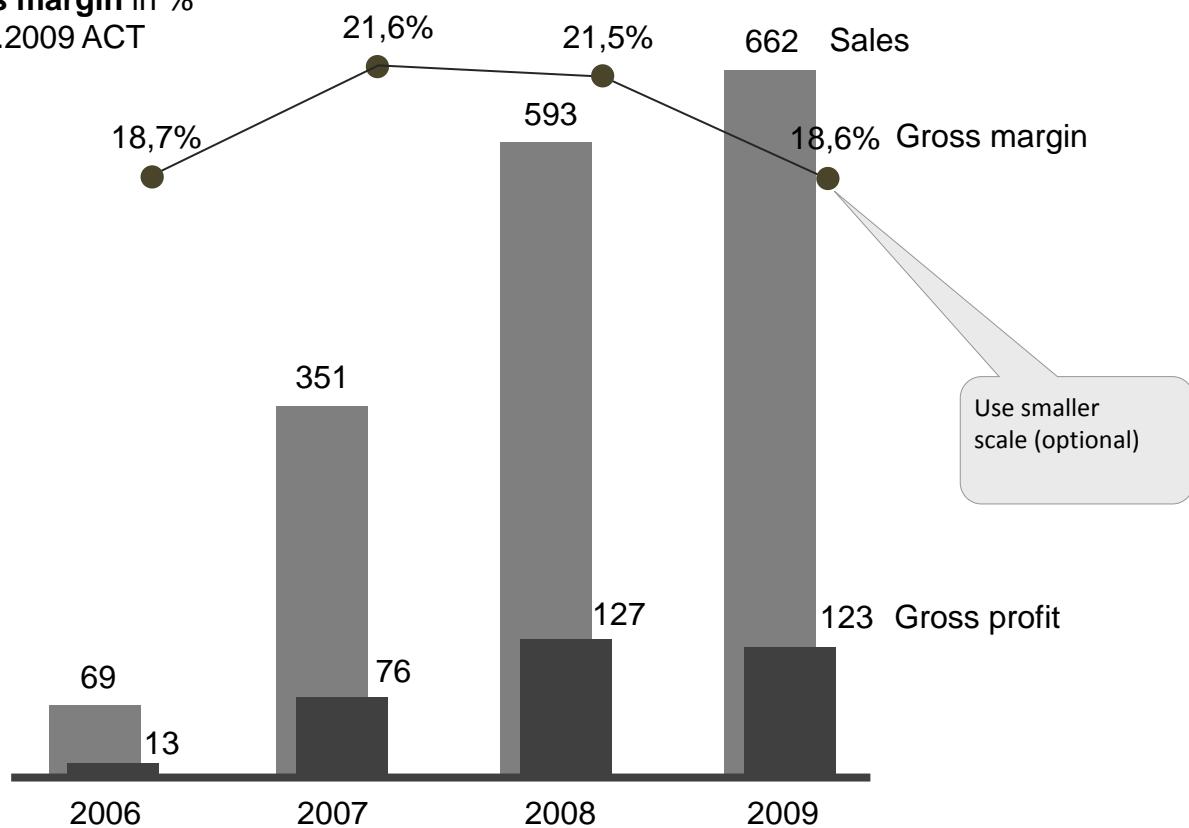


Alpha Group

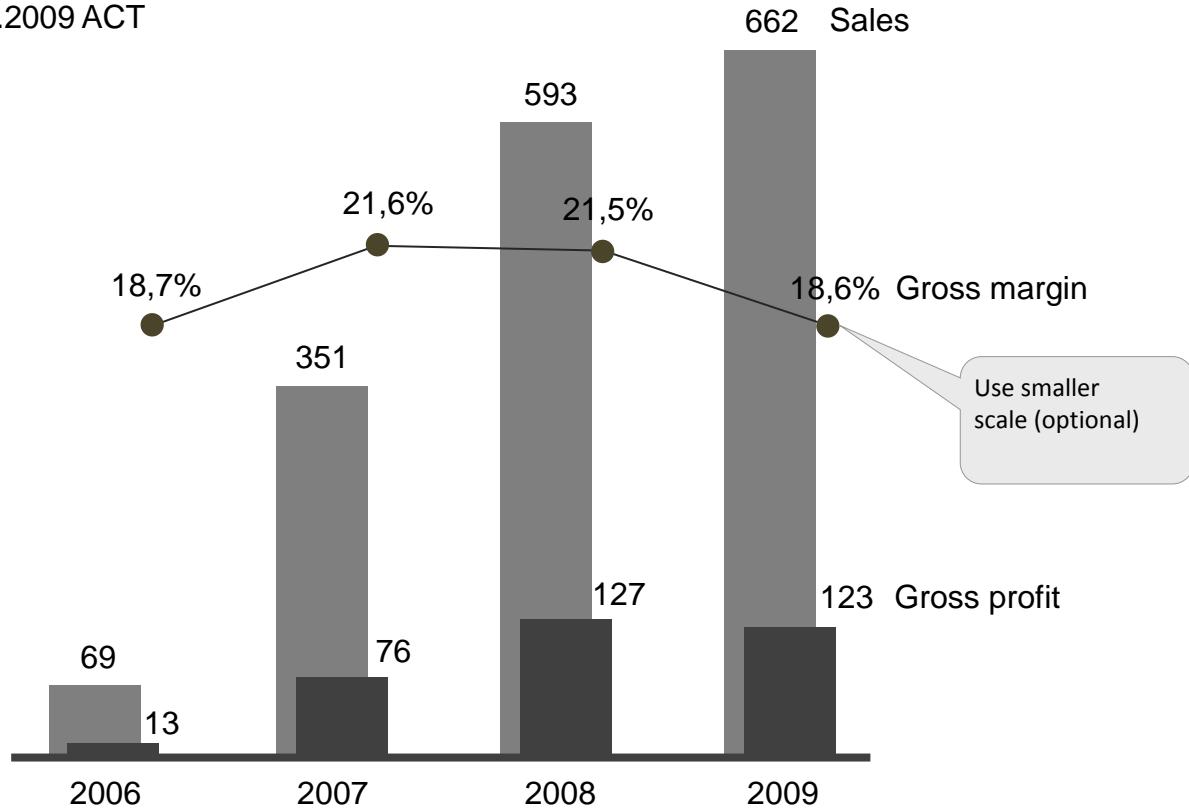
Sales, gross profit in mEUR

Gross margin in %

2006..2009 ACT

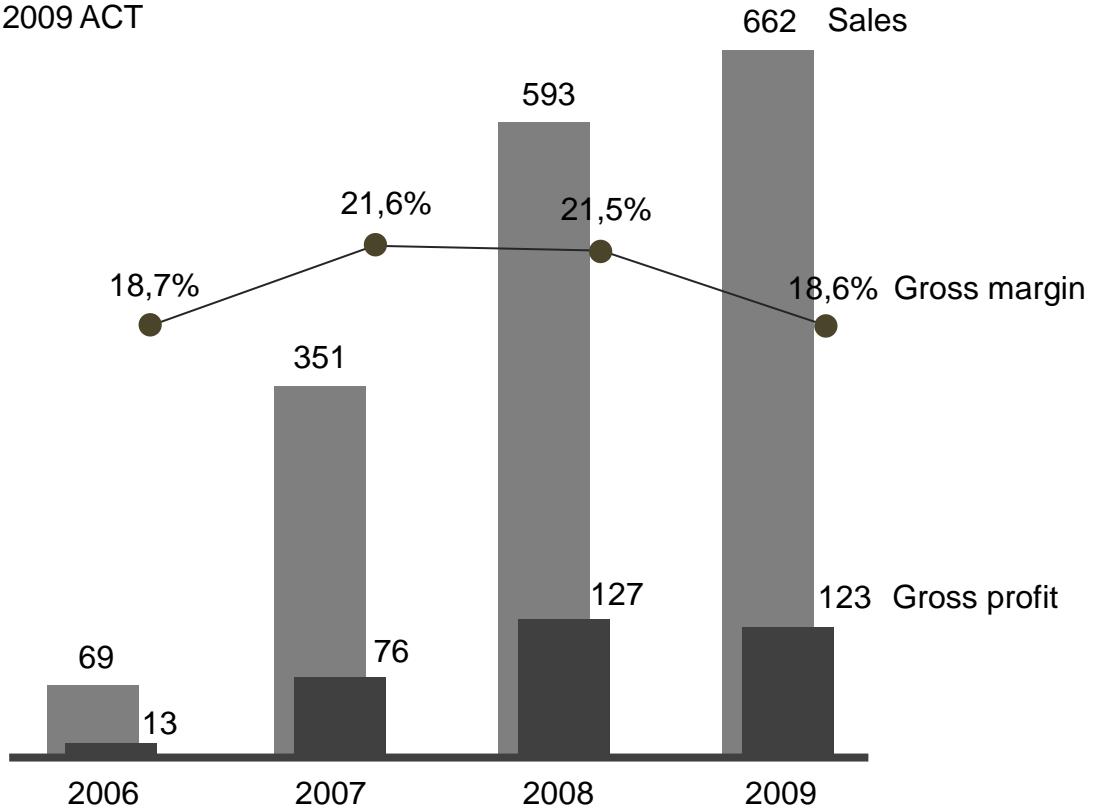


Alpha Group
Sales, gross profit in mEUR
Gross margin in %
2006..2009 ACT



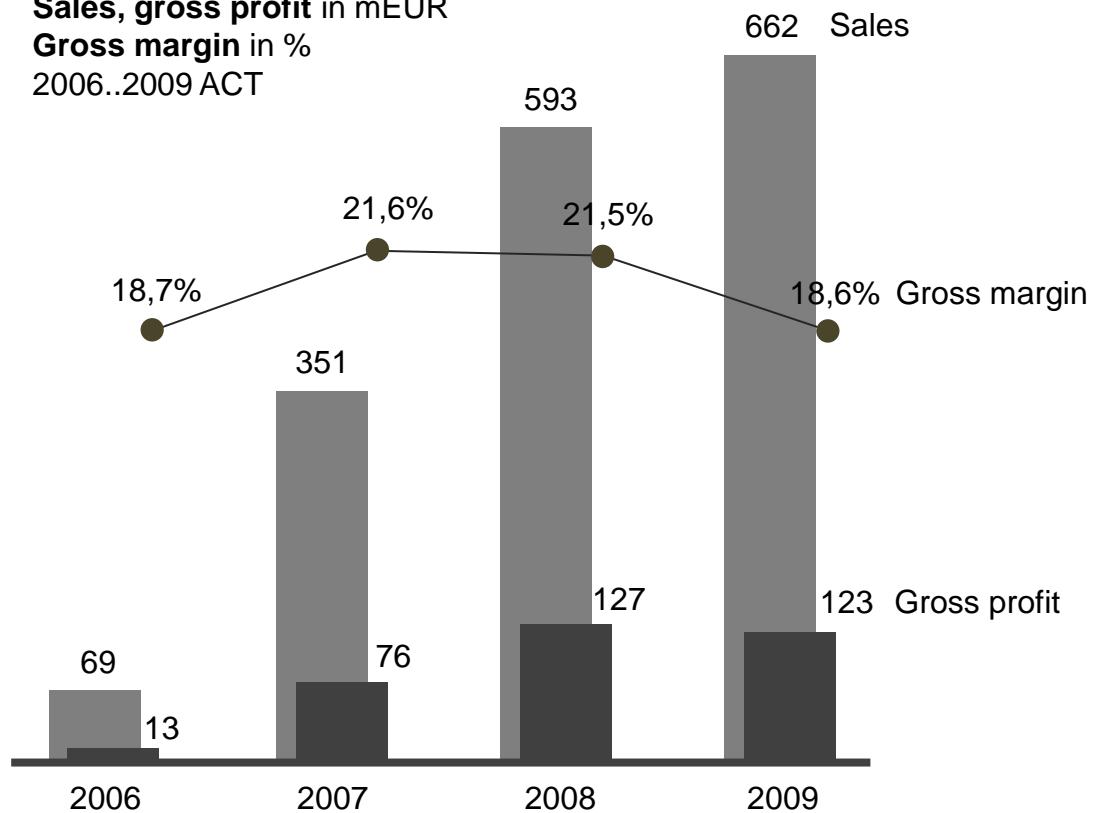
Use standard title position

Alpha Group
Sales, gross profit in mEUR
Gross margin in %
2006..2009 ACT

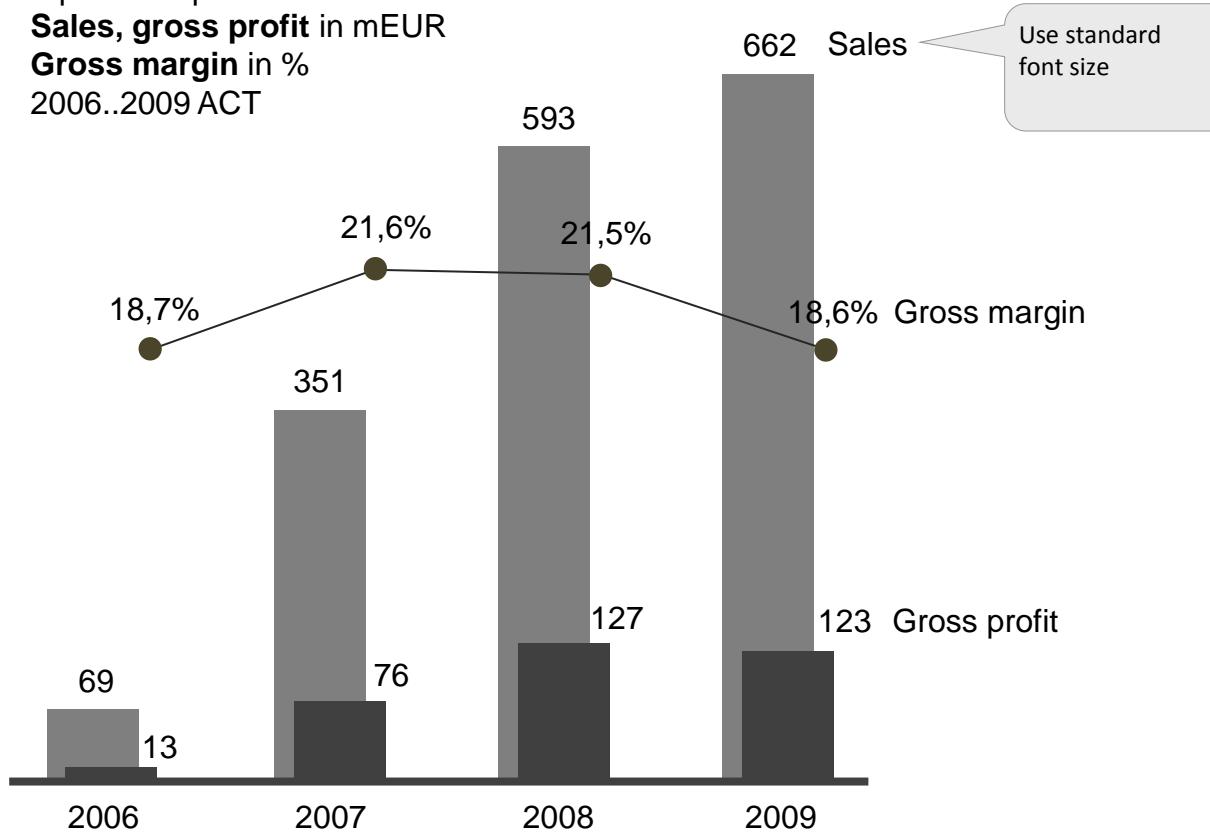


Use standard title position

Alpha Group
Sales, gross profit in mEUR
Gross margin in %
2006..2009 ACT

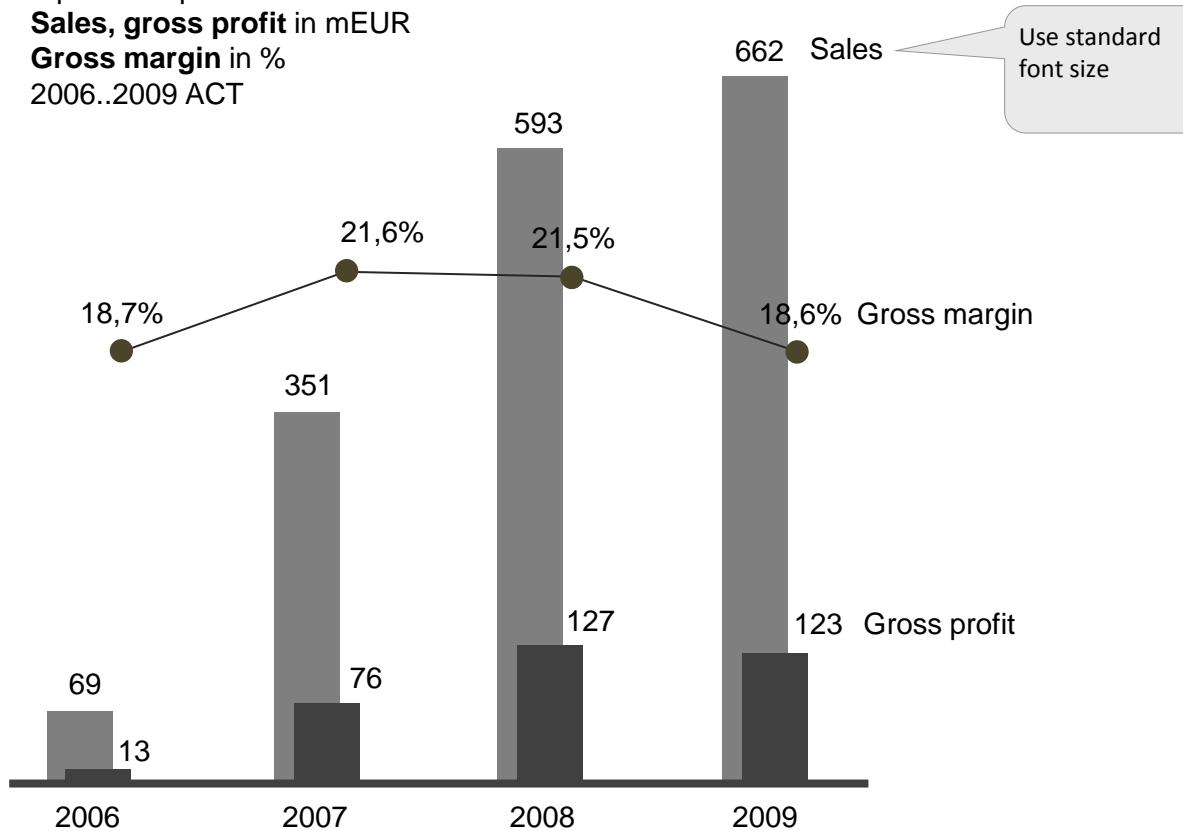


Alpha Group
Sales, gross profit in mEUR
Gross margin in %
2006..2009 ACT

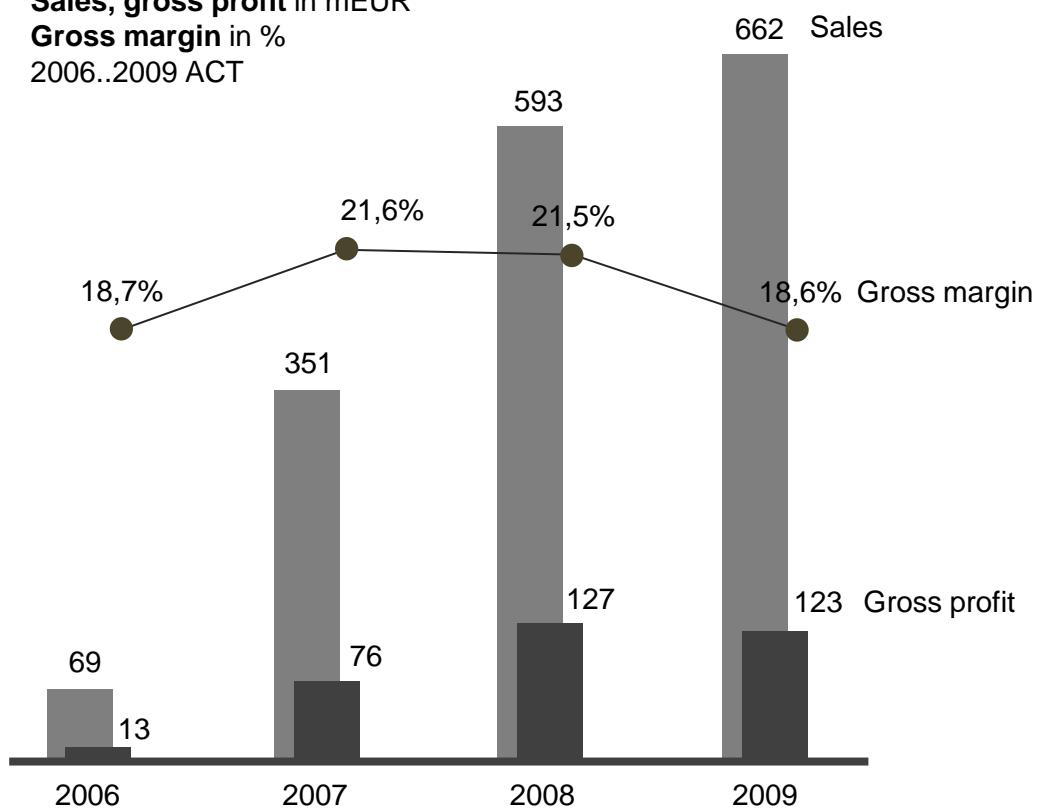


Use standard
font size

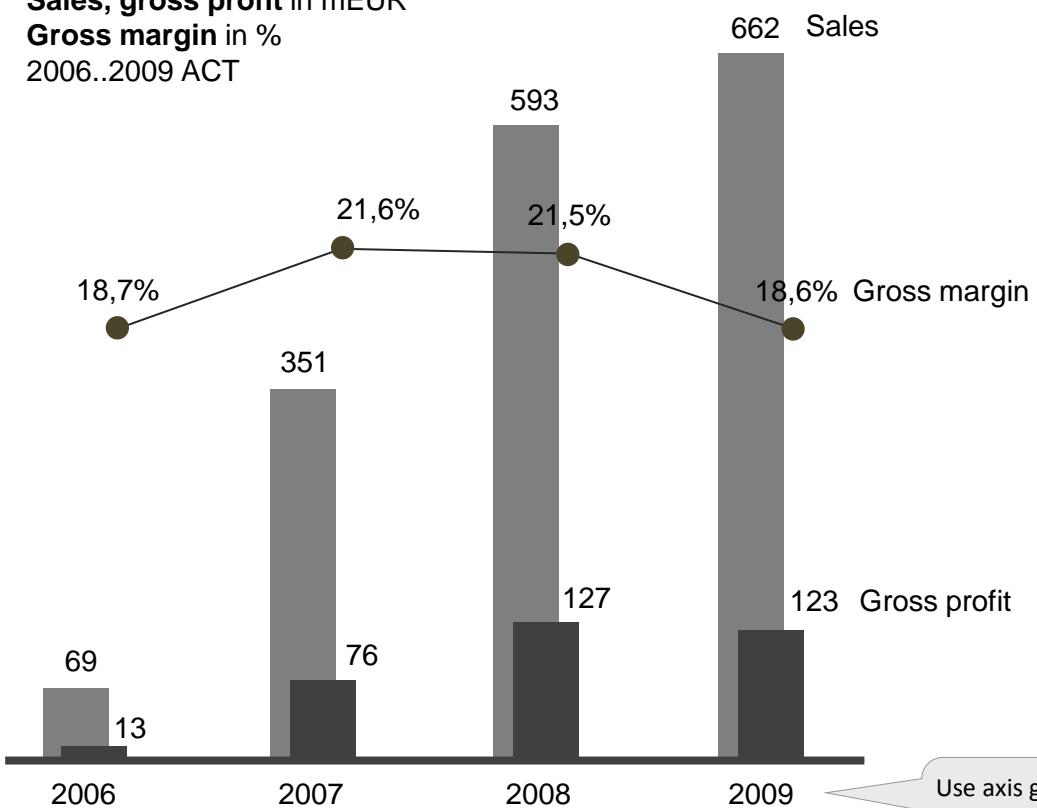
Alpha Group
Sales, gross profit in mEUR
Gross margin in %
2006..2009 ACT



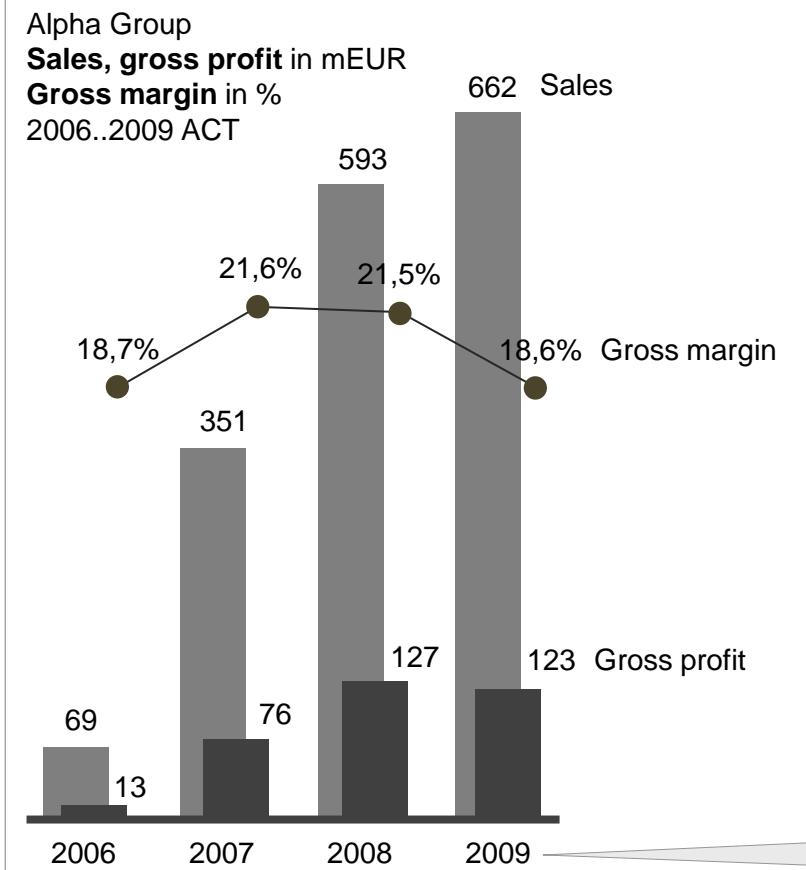
Alpha Group
Sales, gross profit in mEUR
Gross margin in %
2006..2009 ACT



Alpha Group
Sales, gross profit in mEUR
Gross margin in %
2006..2009 ACT

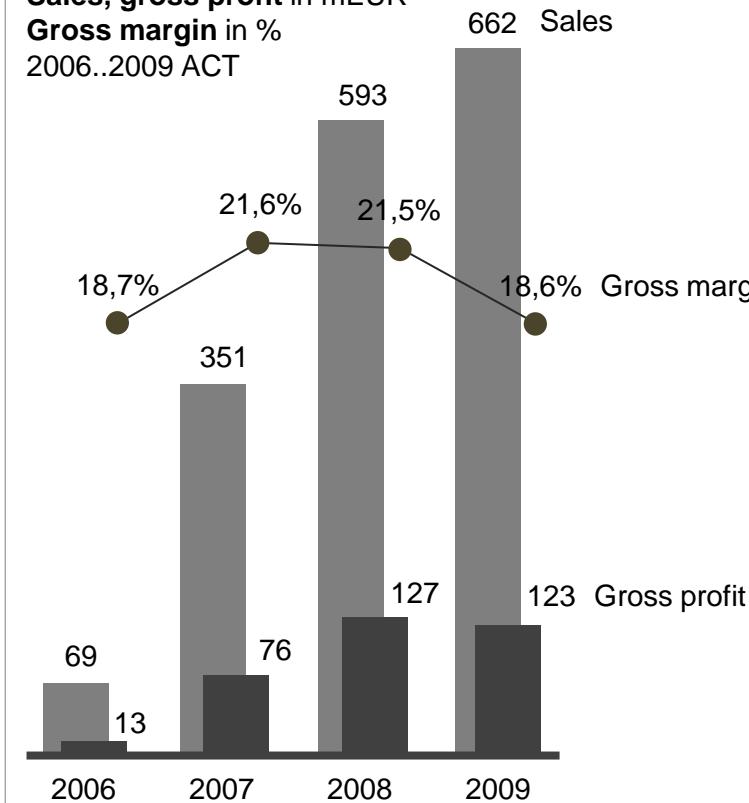


Use axis grid size
for years

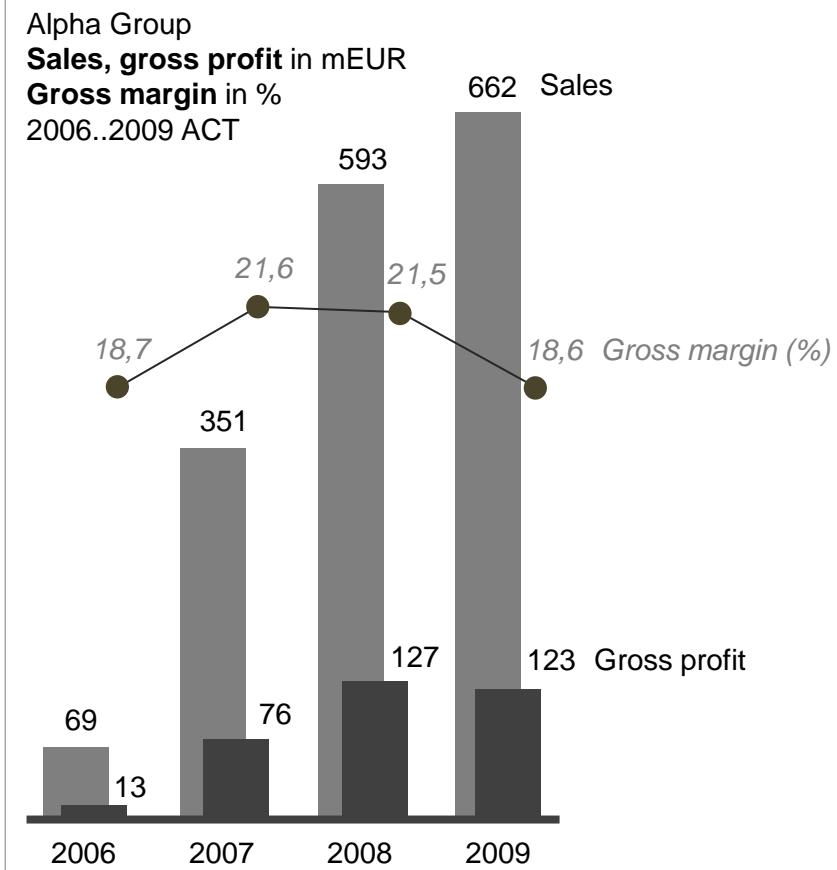


Use axis grid size
for years

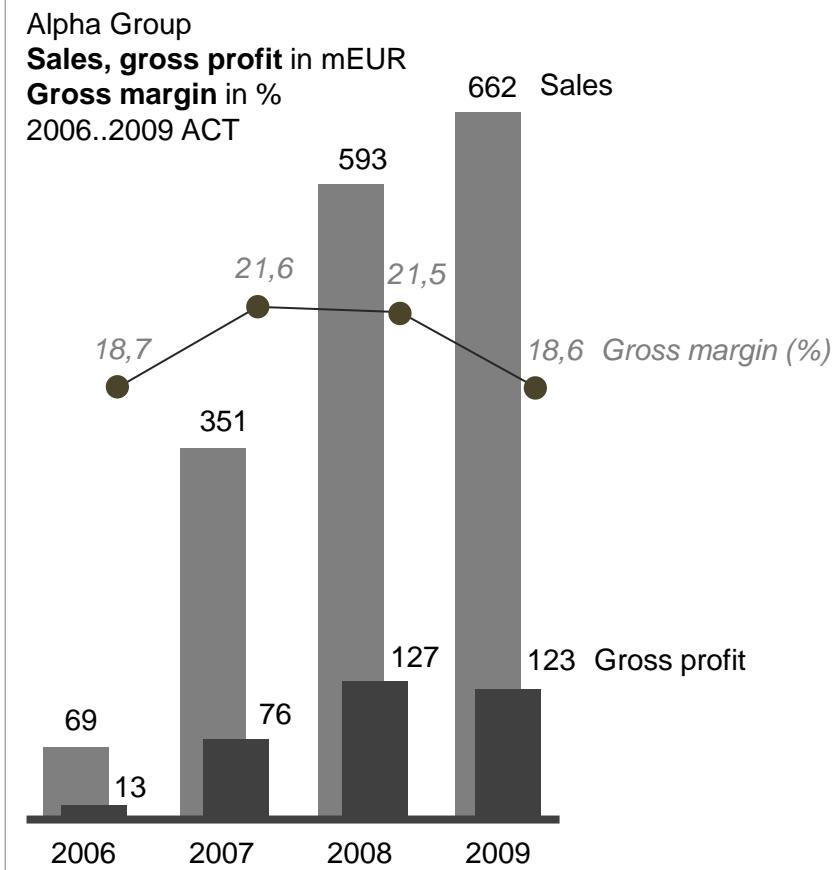
Alpha Group
Sales, gross profit in mEUR
Gross margin in %
2006..2009 ACT



Use different
notation for
percent values



Use different notation for percent values



Compare to
original layout

analysis of trends

Data as of : 03.11.2009, 06:15:00

2009 | 2008 | 2007 | 2006 | Jan | Feb | Mrz | Apr | Mai | Jun | Jul | Aug | Sep | Okt | Nov | Dez | Week | ▾ | ○

Customer

Modehuset Abel
 TTT-The Ticky Tie
 Jazz Style Fashion& Art
 Da Santho Cosmethia

Salesrep

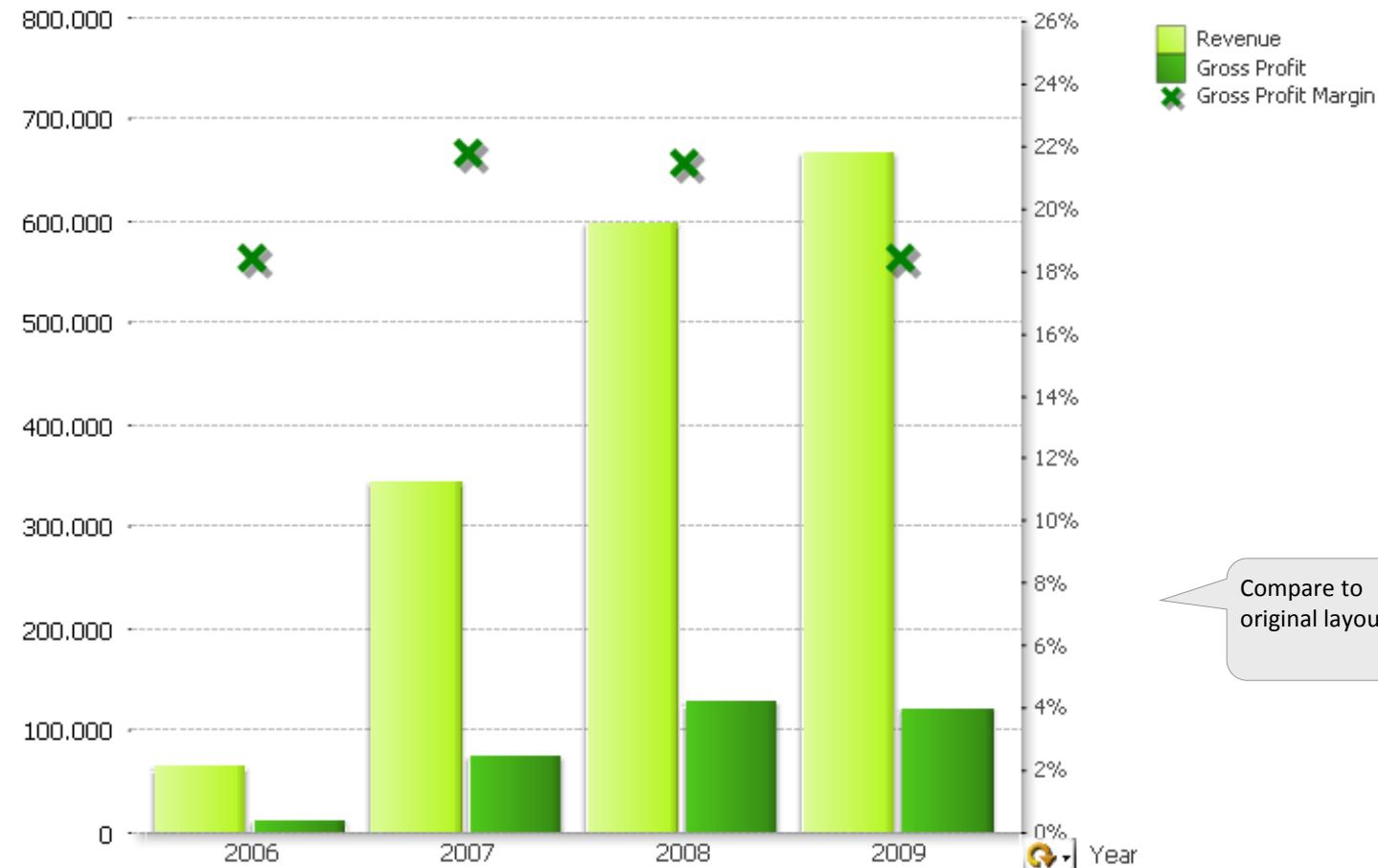
Rock Roll
 Elvis Presley
 Rob Carsson
 Joan Collins

Product

Mehmet-Napp
 Mehmet-Skor
 Sumi Underwear
 Shagall Socks

product development**seasonal revenue YTD****rolling 3 6 9****analysis of salestrends****costumer revenue YTD****Feld Filter**

Verteilung
 proportional
 smethode

analysis of trends

Compare to
original layout

analysis of trends

Data as of : 03.11.2009, 06:15:00

2009 | 2008 | 2007 | 2006 | Jan | Feb | Mrz | Apr | Mai | Jun | Jul | Aug | Sep | Okt | Nov | Dez | Week | ▾ | ○

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Jazz Style Fashion& Art
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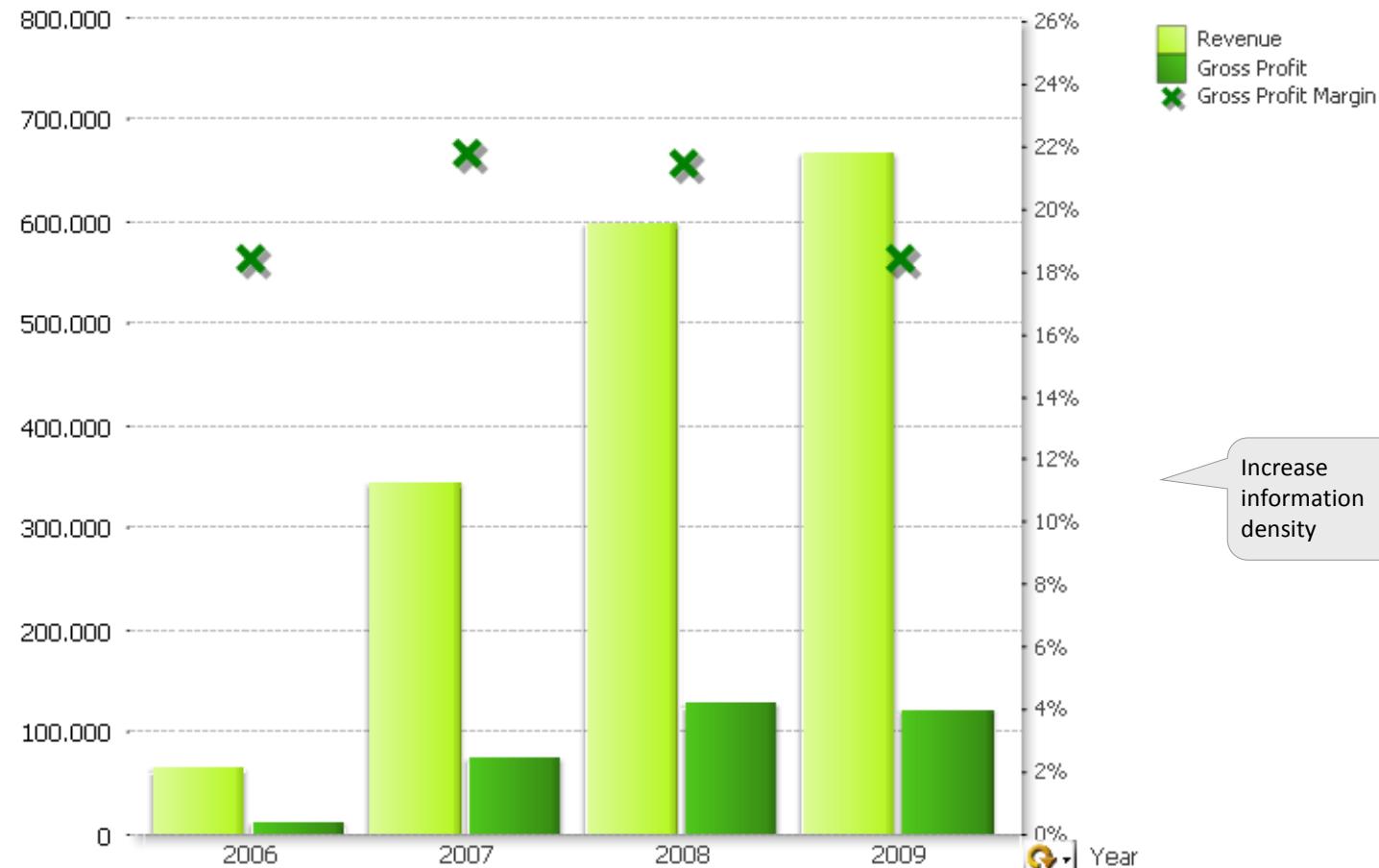
Rock Roll
Elvis Presley
Rob Carsson
Joan Collins

Product

Mehmet-Napp
Mehmet-Skor
Sumi Underwear
Shagall Socks

product development**seasonal revenue YTD****rolling 3 6 9****analysis of salestrends****costumer revenue YTD****Feld Filter**

Verteilung proportional
smethode

analysis of trends

Increase
information
density

2009 2008 2007 2006 Jan Feb Mrz Apr Mai Jun Jul Aug Sep Okt Nov Dez Week ▾



- Customer** ?
Modehuset Abel
TTT-The Ticky Tie
Jazz Style Fashion& Art
Da Santho Cosmethia

- Salesrep** ?
Rock Roll
Elvis Presley
Rob Carsson
Joan Collins

- Product** ?
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Mehmet-Skor
Sumi Underwear
Shagall Socks

product development**seasonal revenue YTD****rolling 3 6 9****analysis of salestrends****costumer revenue YTD**

Increase
information
density

- Feld Filter**
Verteilung proportional
smethode

analysis of trends

Data as of: 03.11.2009, 06:15:00

2009 2008 2007 2006 Jan Feb Mrz Apr Mai Jun Jul Aug Sep Okt Nov Dez Week

- Customer**
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- Rock Roll
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- Mehmet-Napp
 - Mehmet-Skor
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 - Shagall Socks

product development

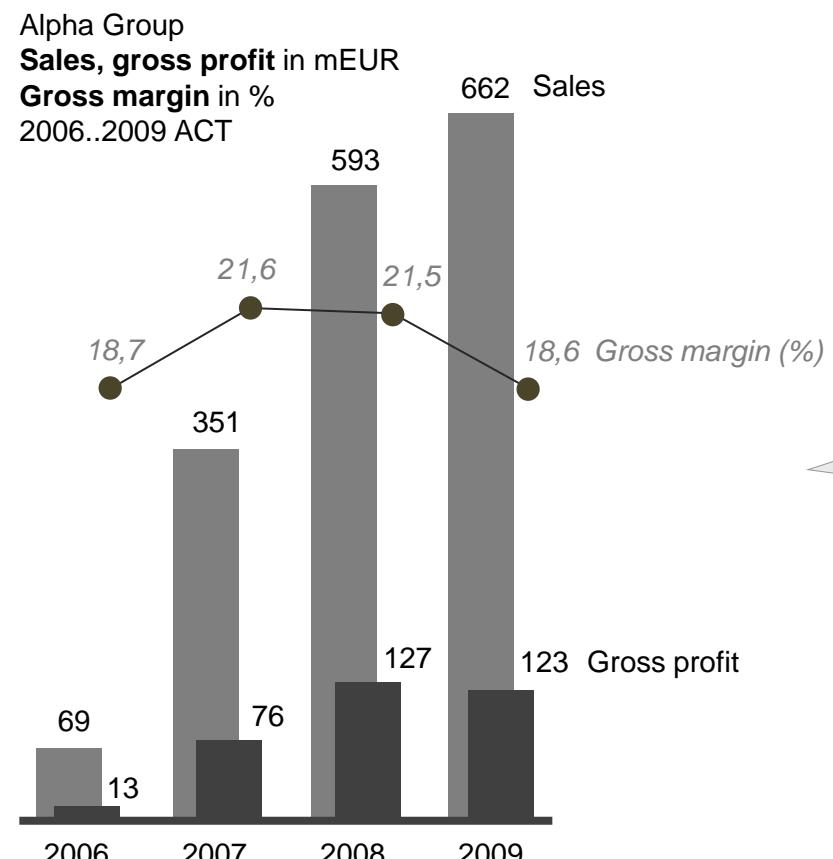
seasonal revenue YTD

rolling 3 6 9

analysis of salestrends

costumer revenue YTD

Feld Filter
Verteilung proportional
smethode



2009 2008 2007 2006 Jan Feb Mrz Apr Mai Jun Jul Aug Sep Okt Nov Dez Week



- Customer** ?
Modehuset Abel
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Mehmet-Napp
Mehmet-Skor
Sumi Underwear
Shagall Socks

product development

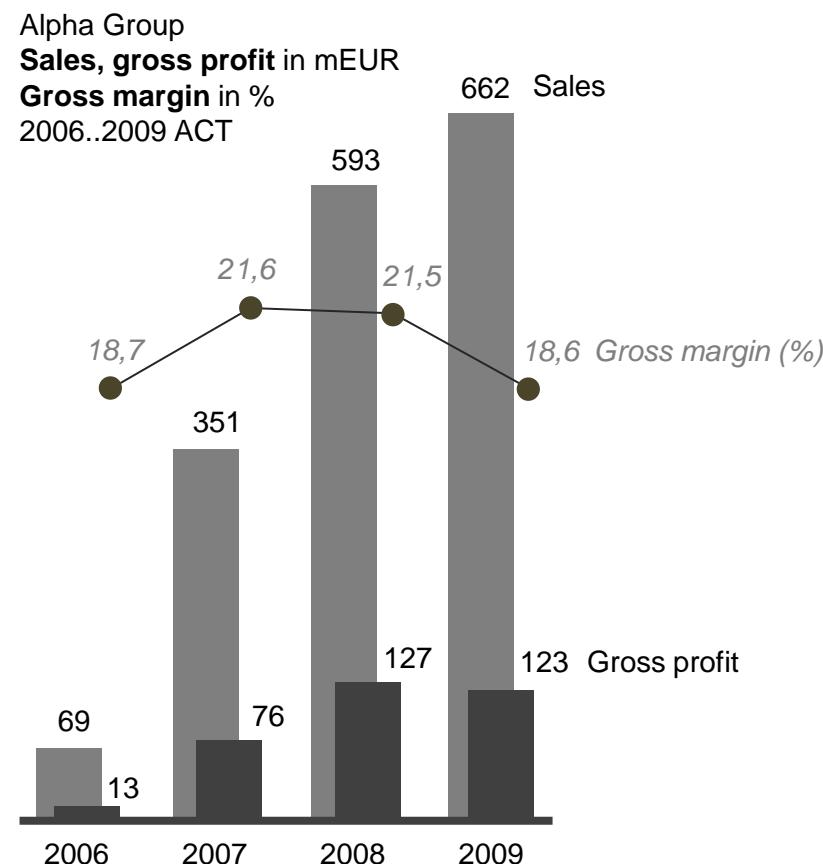
seasonal revenue YTD

rolling 3 6 9

analysis of salestrends

costumer revenue YTD

Feld Filter
Verteilung proportional
smethode



Increase information density

2009 2008 2007 2006 Jan Feb Mrz Apr Mai Jun Jul Aug Sep Okt Nov Dez Week



- Customer**
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- product development**

- seasonal revenue YTD**

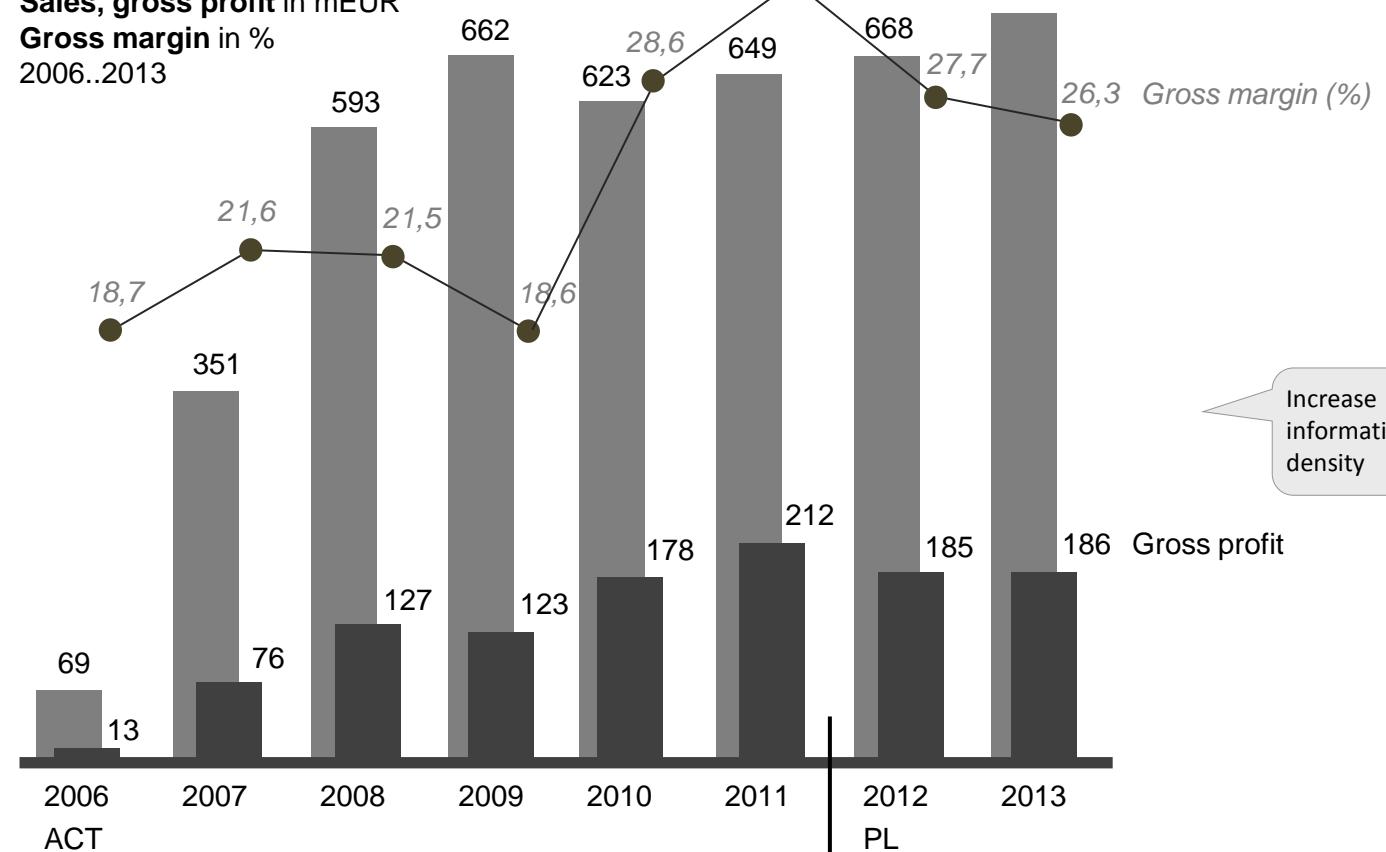
- rolling 3 6 9**

- analysis of salestrends**

- costumer revenue YTD**

- Feld Filter**
- Verteilung proportional
smethode

Alpha Group
Sales, gross profit in mEUR
Gross margin in %
2006..2013



2009 2008 2007 2006 Jan Feb Mrz Apr Mai Jun Jul Aug Sep Okt Nov Dez Week



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Shagall Socks

- product development**

- seasonal revenue YTD**

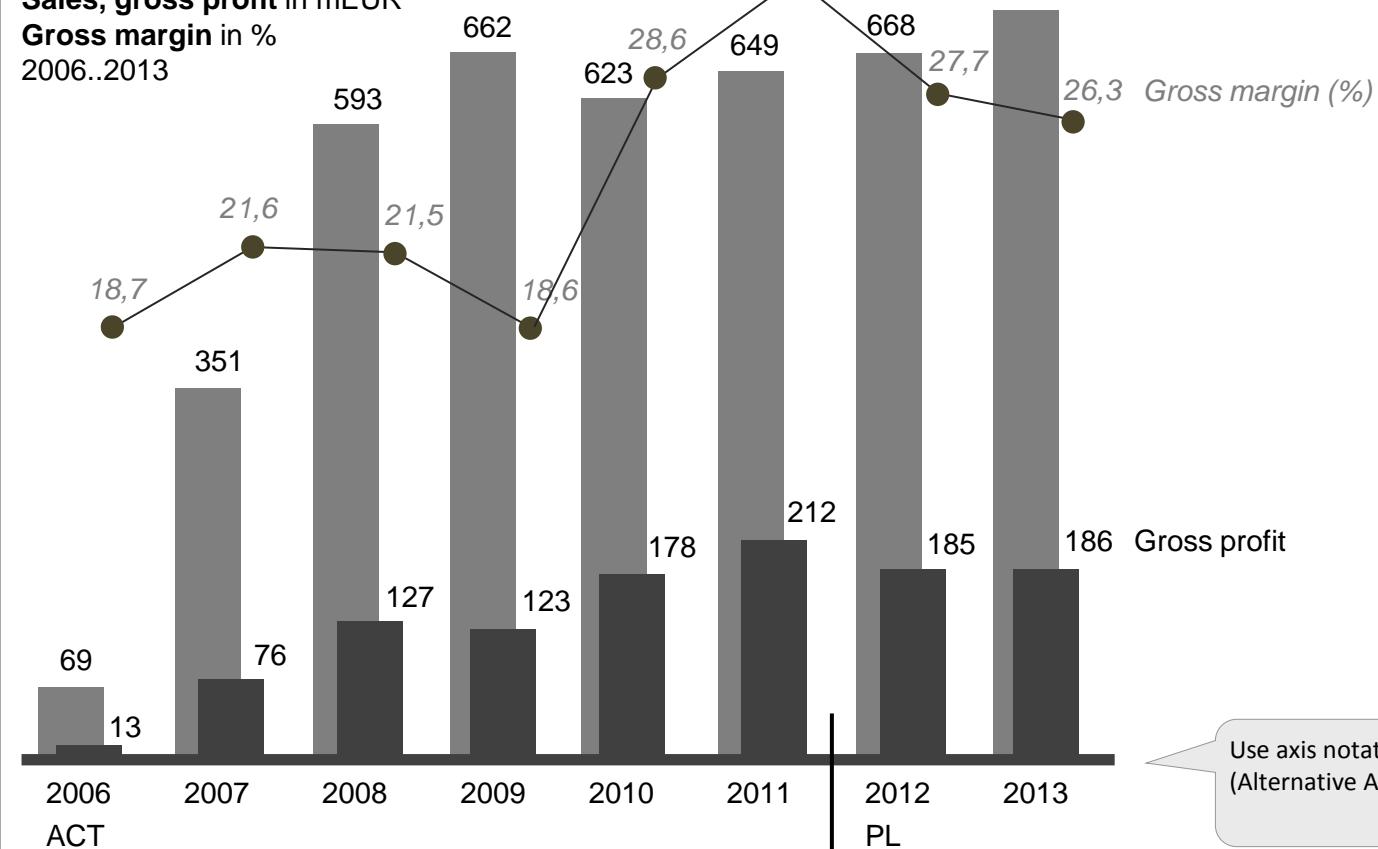
- rolling 3 6 9**

- analysis of salestrends**

- costumer revenue YTD**

- Feld Filter
Verteilung proportional
smethode

Alpha Group
Sales, gross profit in mEUR
Gross margin in %
2006..2013



Use axis notation
(Alternative A)

2009 2008 2007 2006 Jan Feb Mrz Apr Mai Jun Jul Aug Sep Okt Nov Dez Week



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 - Shagall Socks

- product development**

- seasonal revenue YTD**

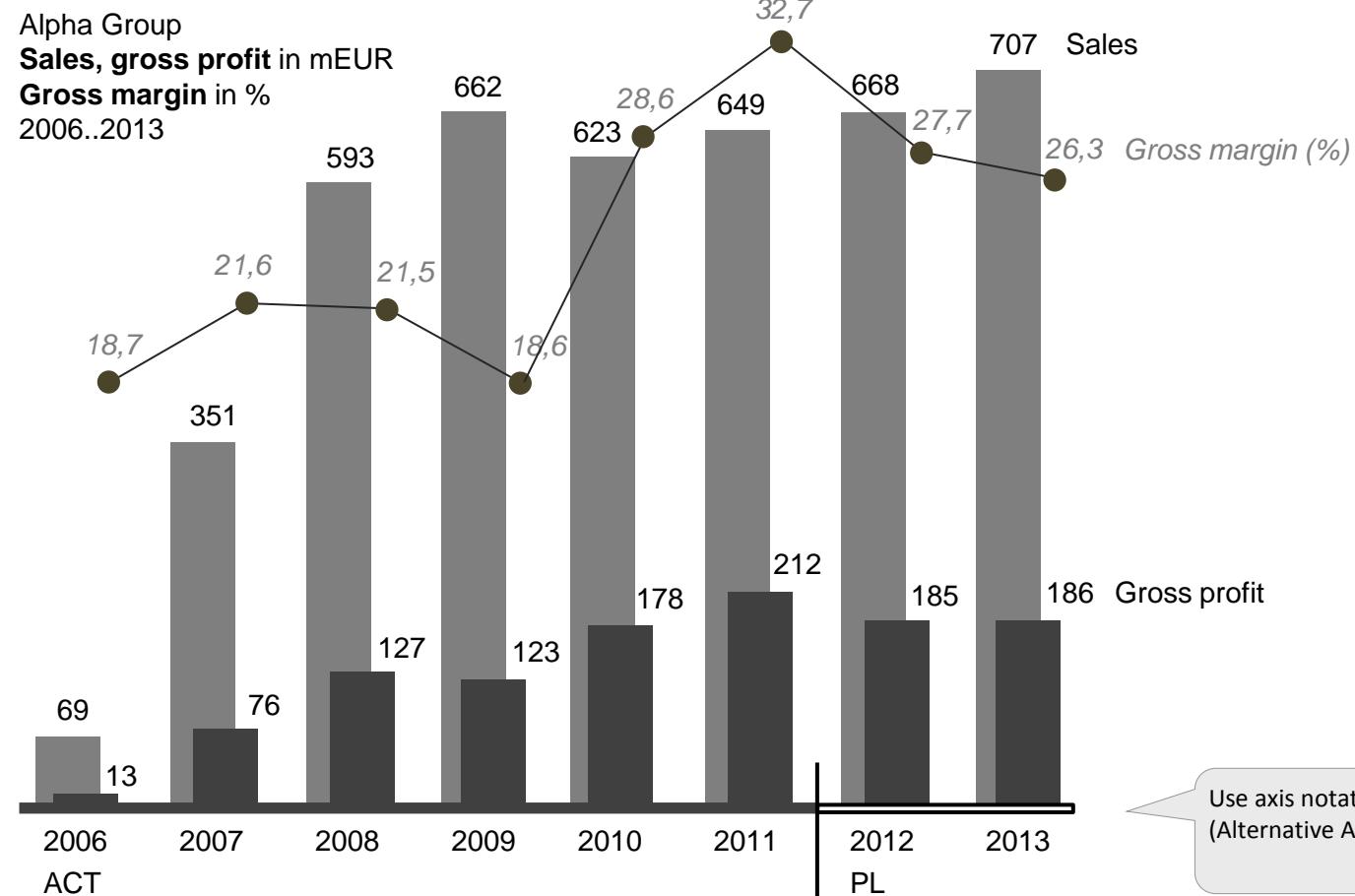
- rolling 3 6 9**

- analysis of salestrends**

- costumer revenue YTD**

- Feld Filter

- Verteilung proportional
smethode



analysis of trends

Data as of: 03.11.2009, 06:15:00

2009 2008 2007 2006 Jan Feb Mrz Apr Mai Jun Jul Aug Sep Okt Nov Dez Week



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 - Shagall Socks

product development

seasonal revenue YTD

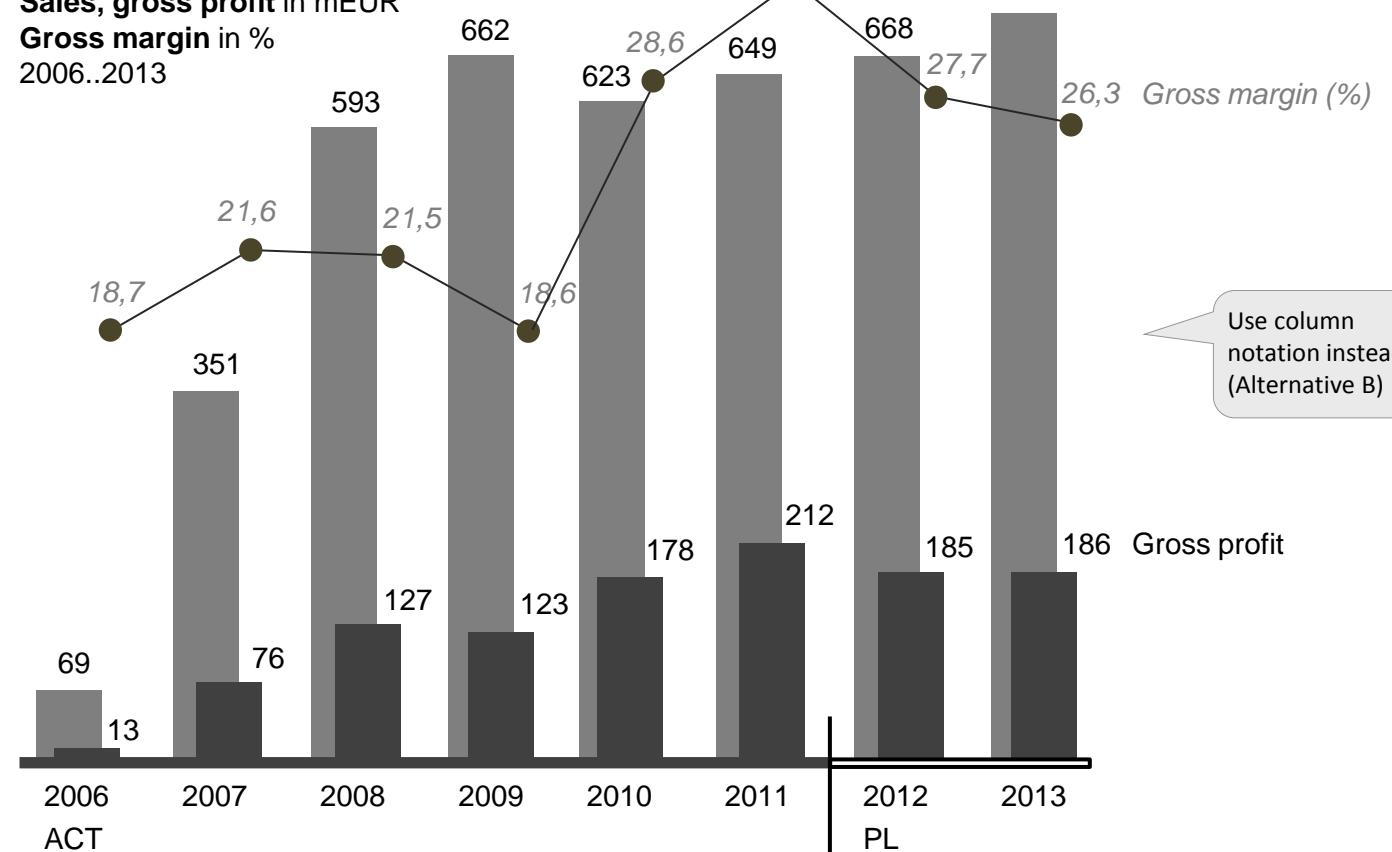
rolling 3 6 9

analysis of salestrends

costumer revenue YTD

Feld Filter
Verteilung proportional
smethode

Alpha Group
Sales, gross profit in mEUR
Gross margin in %
2006..2013



analysis of trends

Data as of: 03.11.2009, 06:15:00

2009 2008 2007 2006 Jan Feb Mrz Apr Mai Jun Jul Aug Sep Okt Nov Dez Week



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product development

seasonal revenue YTD

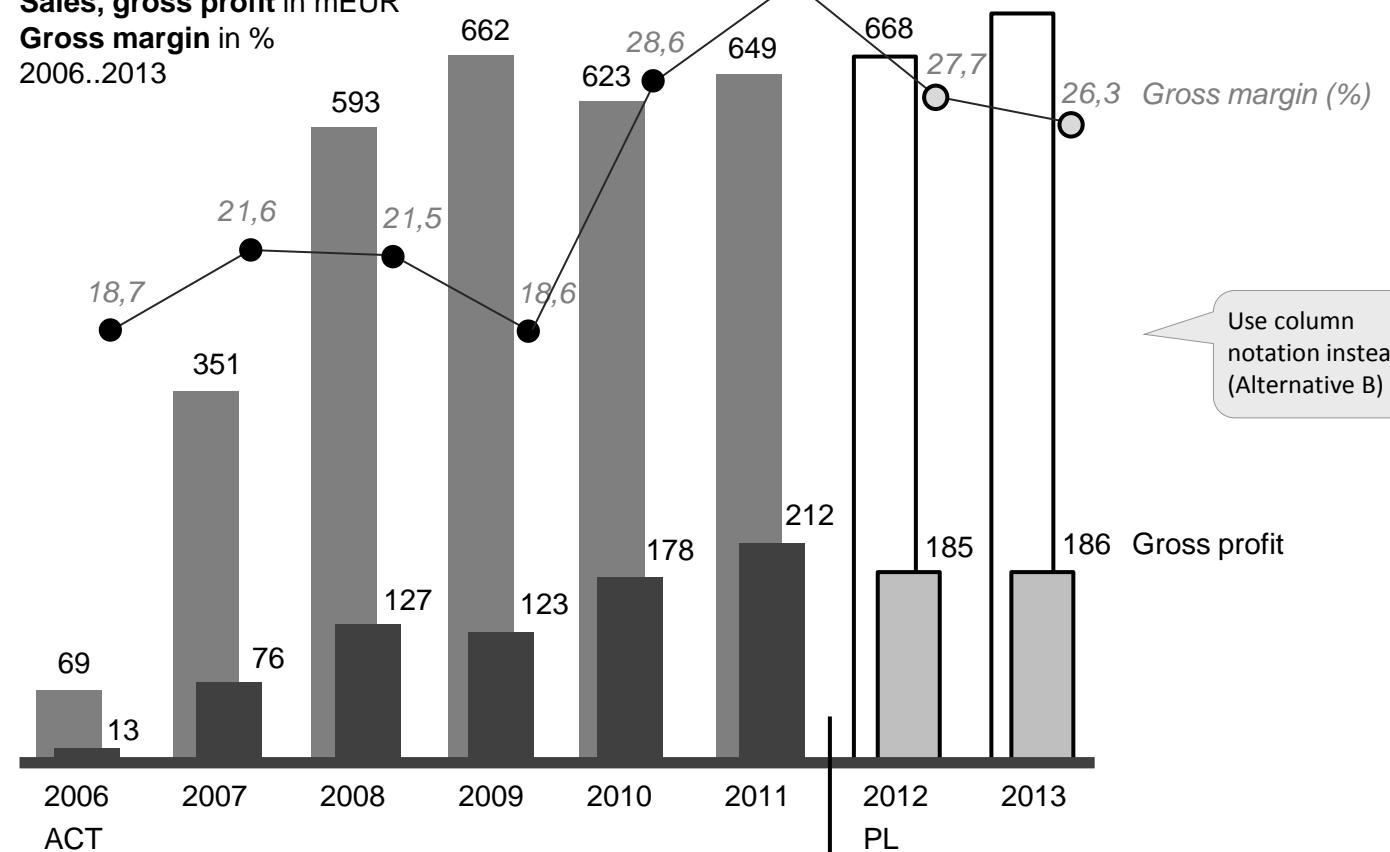
rolling 3 6 9

analysis of salestrends

costumer revenue YTD

Feld Filter
Verteilung proportional
smethode

Alpha Group
Sales, gross profit in mEUR
Gross margin in %
2006..2013



analysis of trends

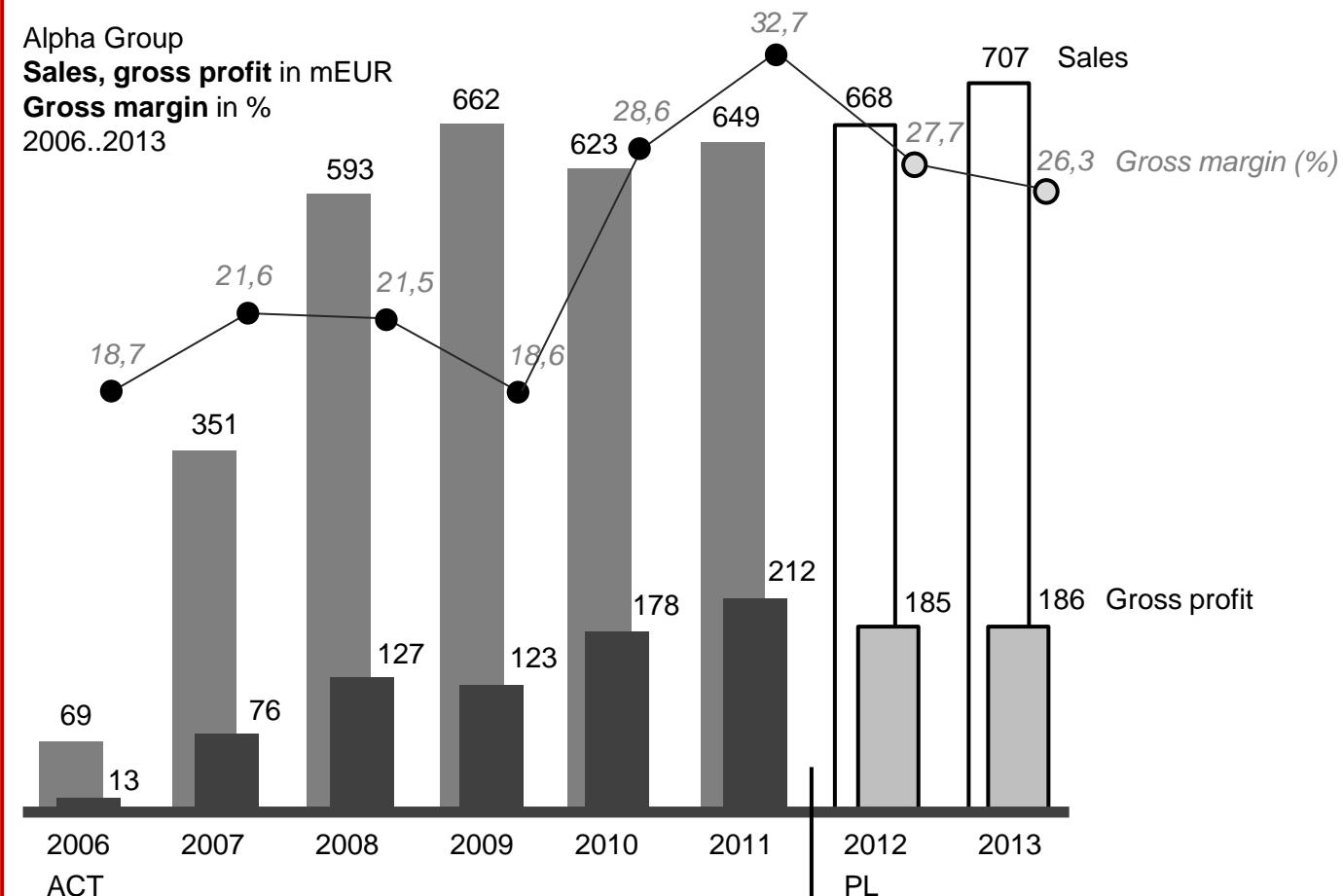
Data as c

Use standard concept
for presentation
exhibits

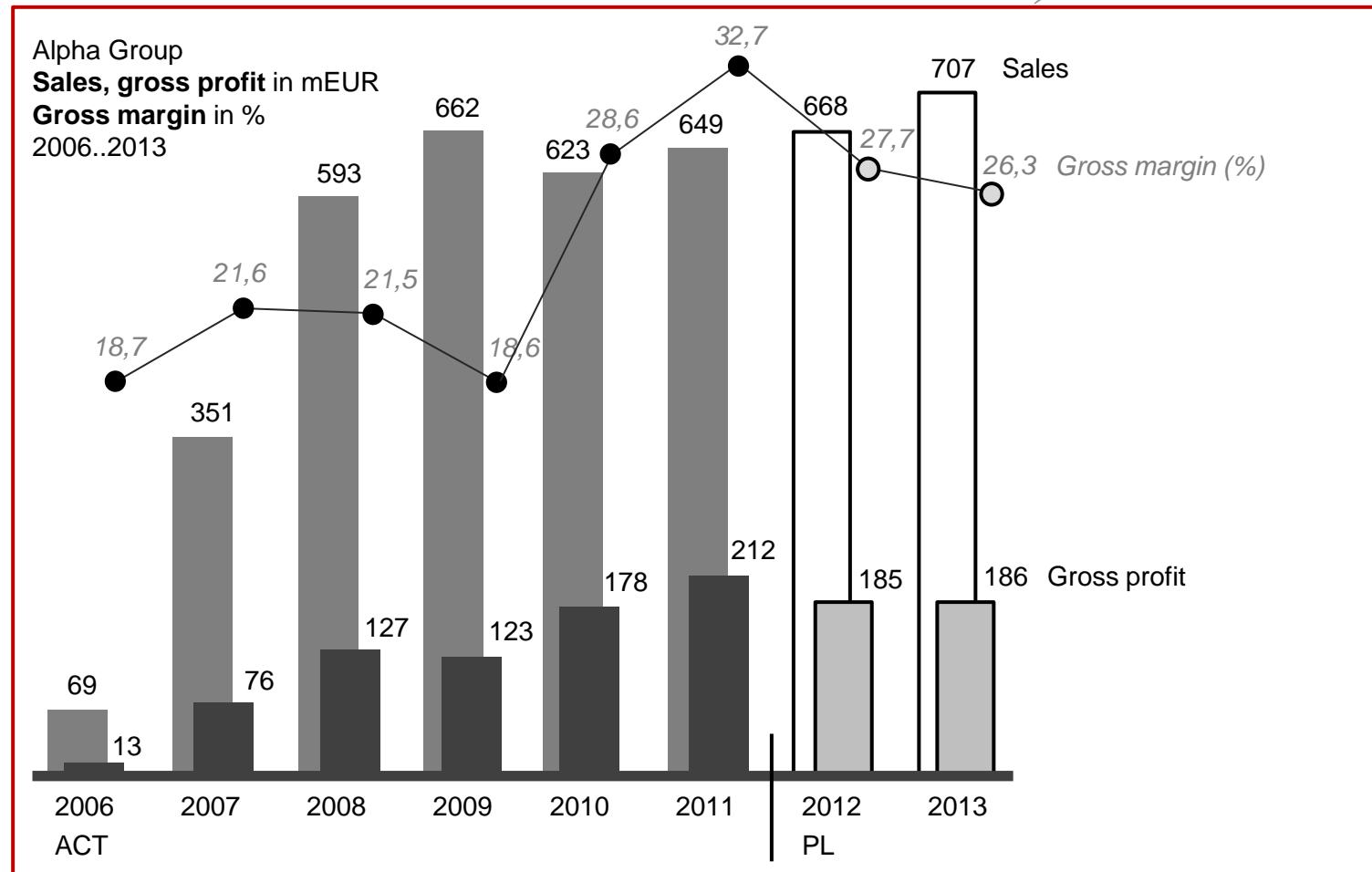
2009 2008 2007 2006 Jan Feb Mrz Apr Mai Jun Jul Aug Sep Okt Nov Dez Week

CustomerModehuset Abel
TTT-The Ticky Tie
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Da Santho Cosmethia**Salesrep**Rock Roll
Elvis Presley
Rob Carsson
Joan Collins**Product**Mehmet-Napp
Mehmet-Skor
Sumi Underwear
Shagall Socks**product development****seasonal revenue YTD****rolling 3 6 9****analysis of salestrends****costumer revenue YTD**Feld Filter
Verteilung proportional
smethode

Alpha Group
Sales, gross profit in mEUR
Gross margin in %
2006..2013



Use standard concept
for presentation
exhibits



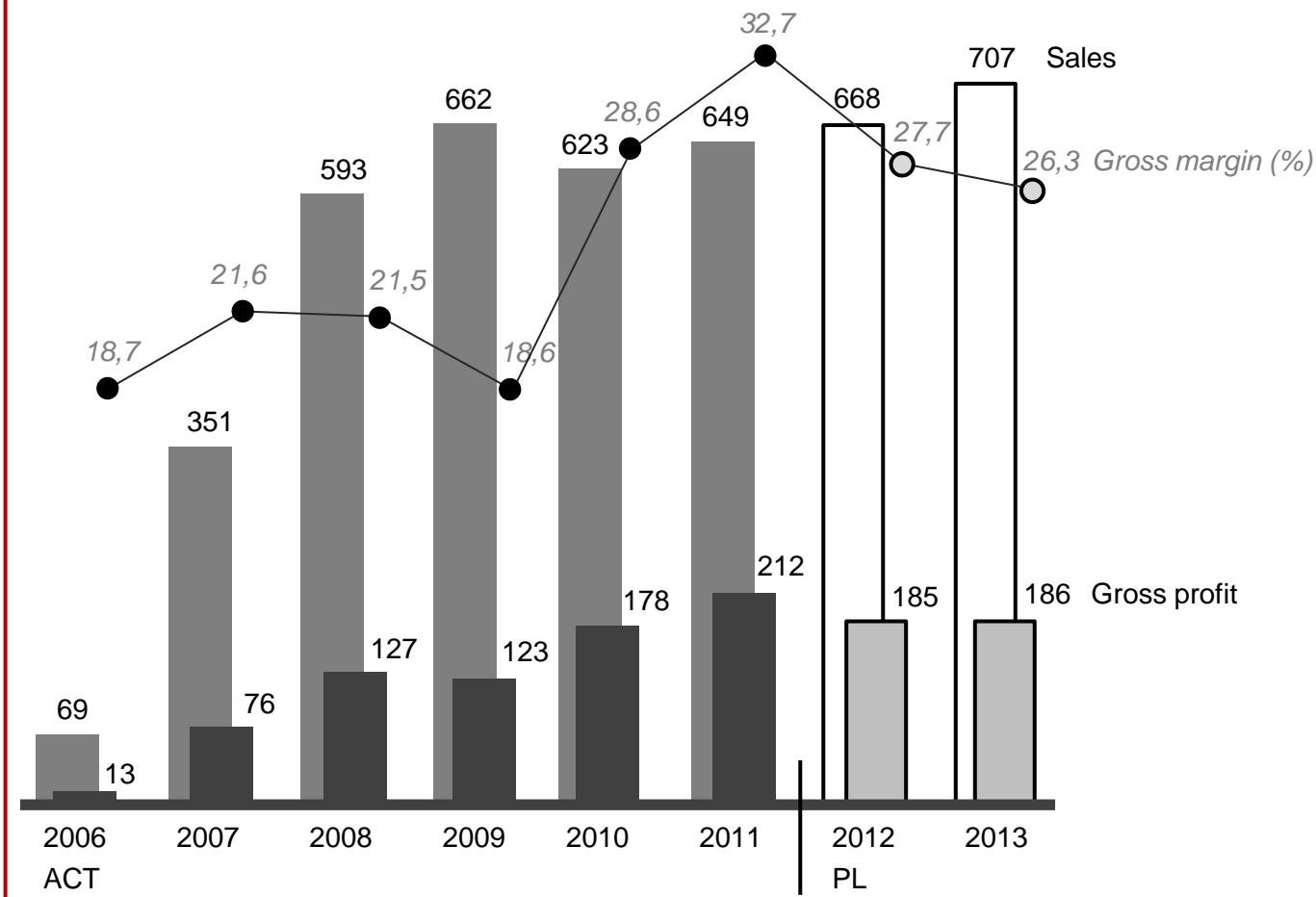
Alpha Group

Sales, gross profit in mEUR

Gross margin in %

2006..2013

Use standard concept
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exhibits



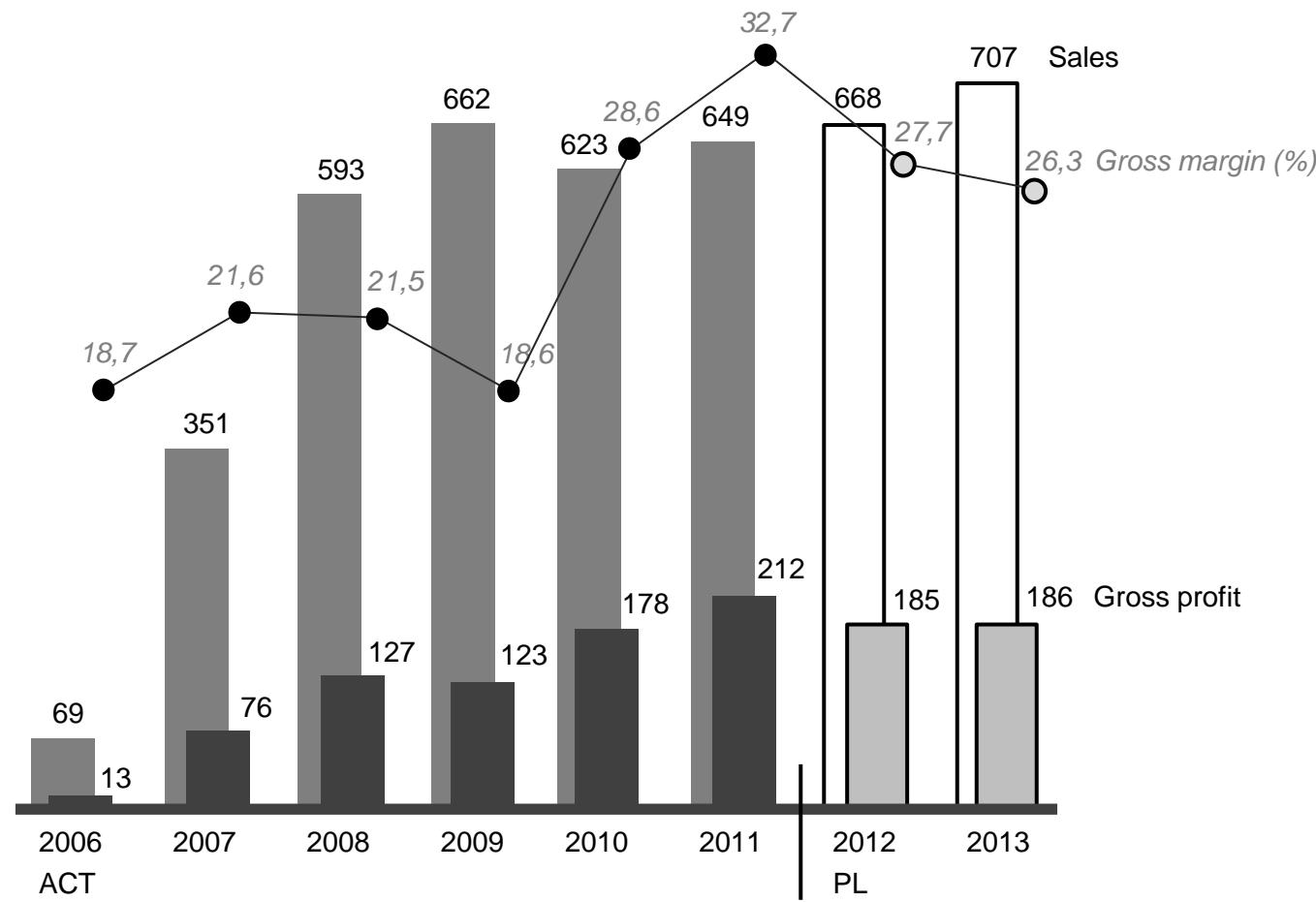
Add message

Alpha Group

Sales, gross profit in mEUR

Gross margin in %

2006..2013



Compared to 2009 gross margin
will increase by 7,7pp (from 18,6% to 26,3%)

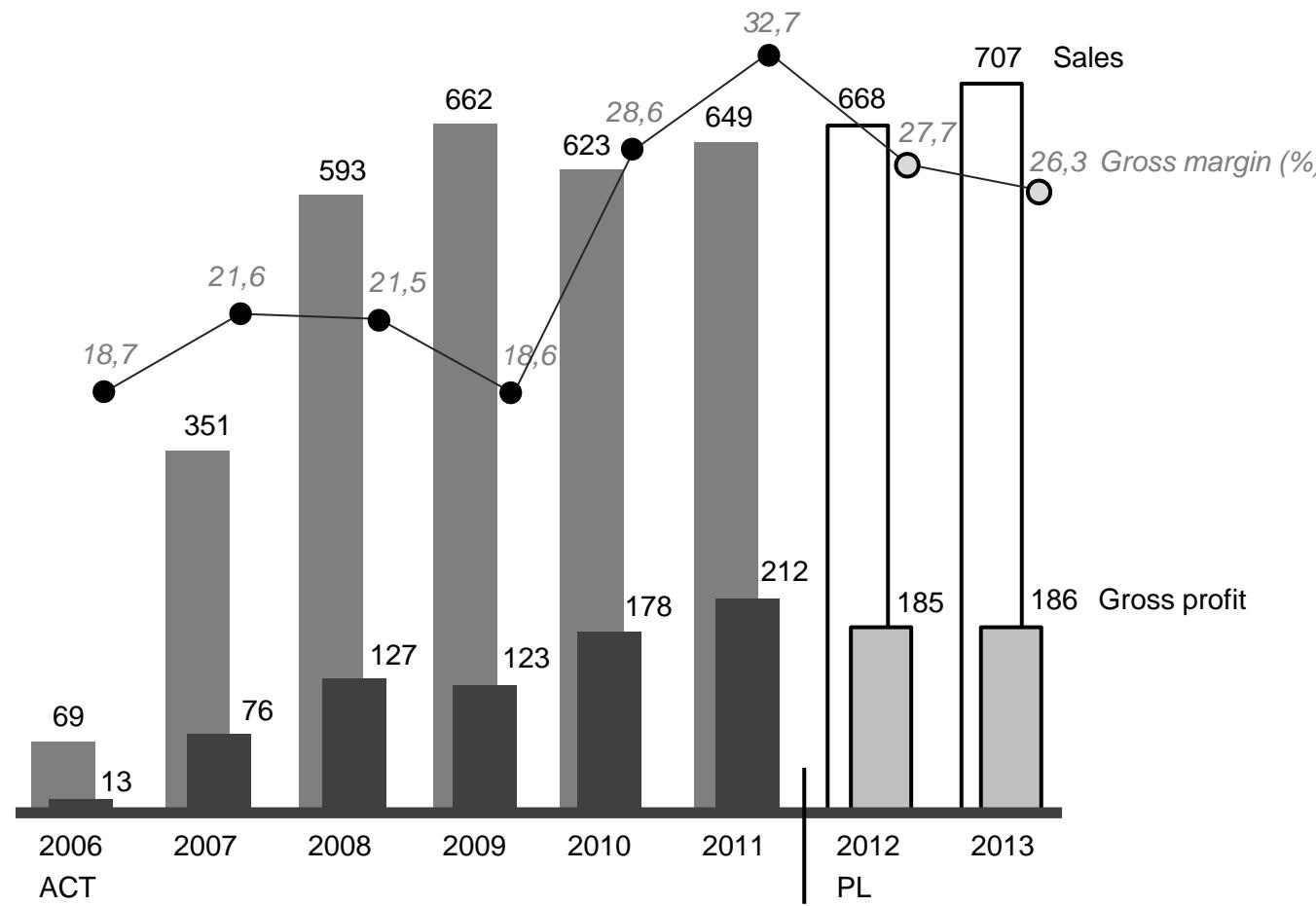
Add message

Alpha Group

Sales, gross profit in mEUR

Gross margin in %

2006..2013



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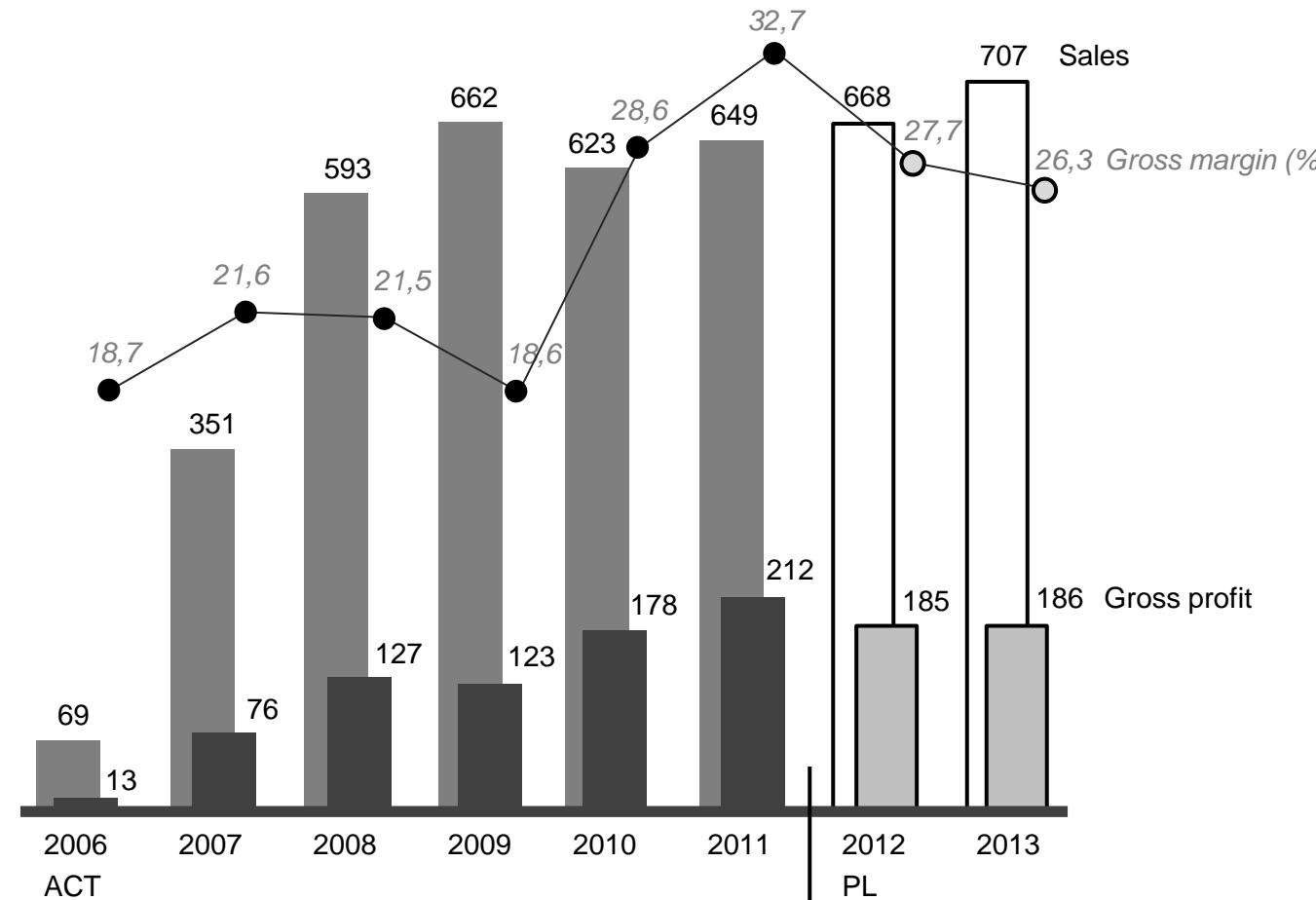
Alpha Group

Sales, gross profit in mEUR

Gross margin in %

2006..2013

Highlight message



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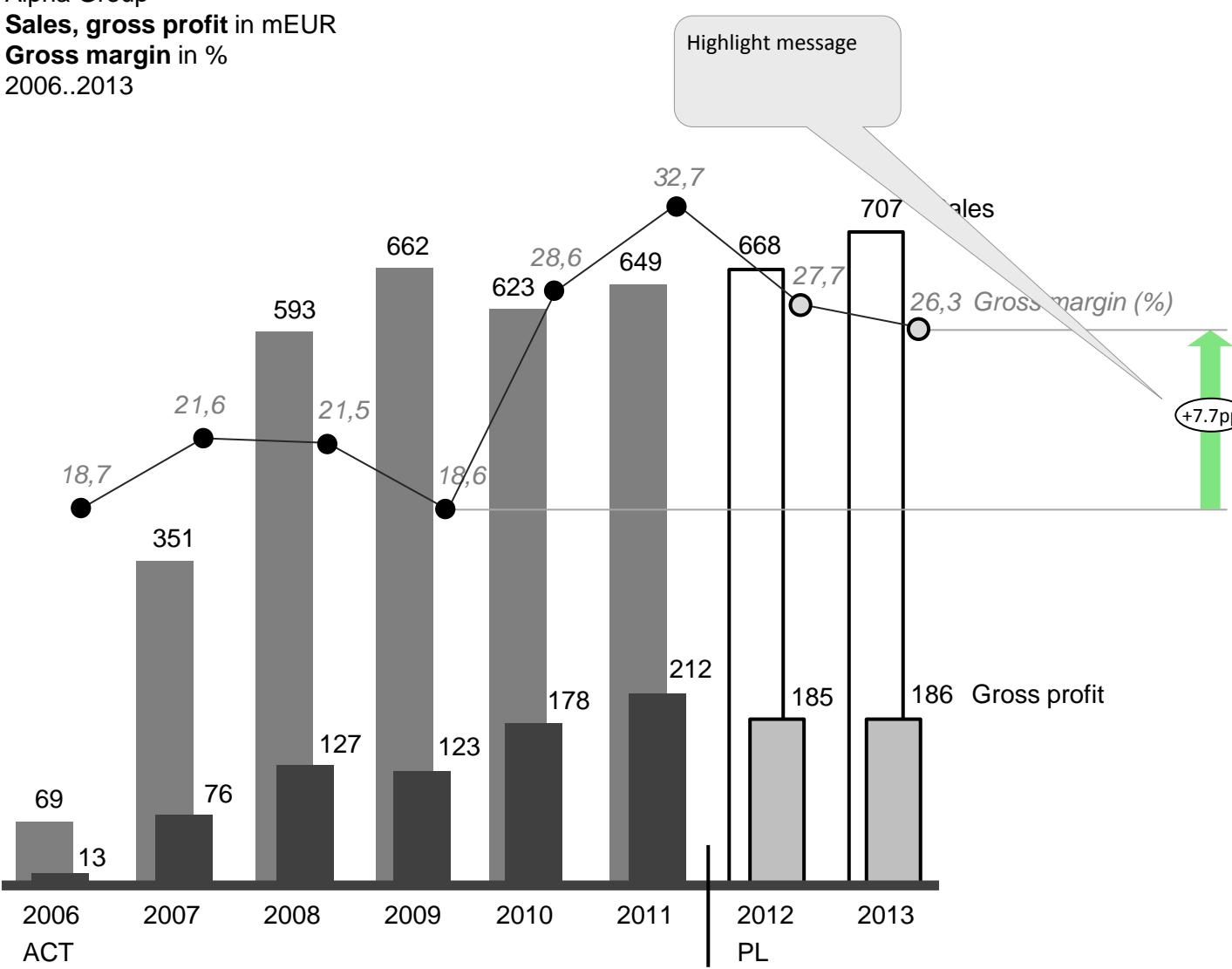
Alpha Group

Sales, gross profit in mEUR

Gross margin in %

2006..2013

Highlight message





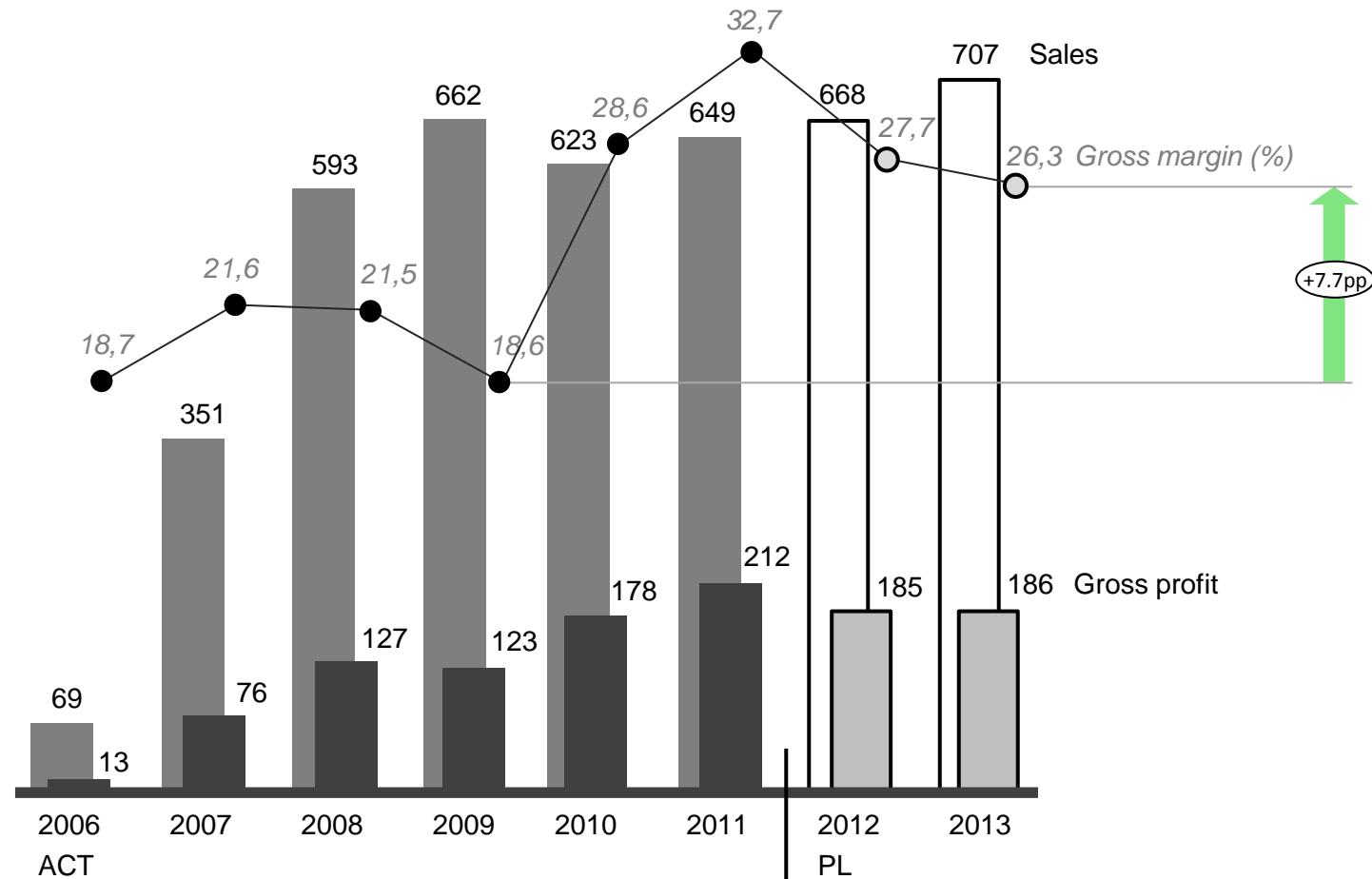
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Alpha Group

Sales, gross profit in mEUR

Gross margin in %

2006..2013



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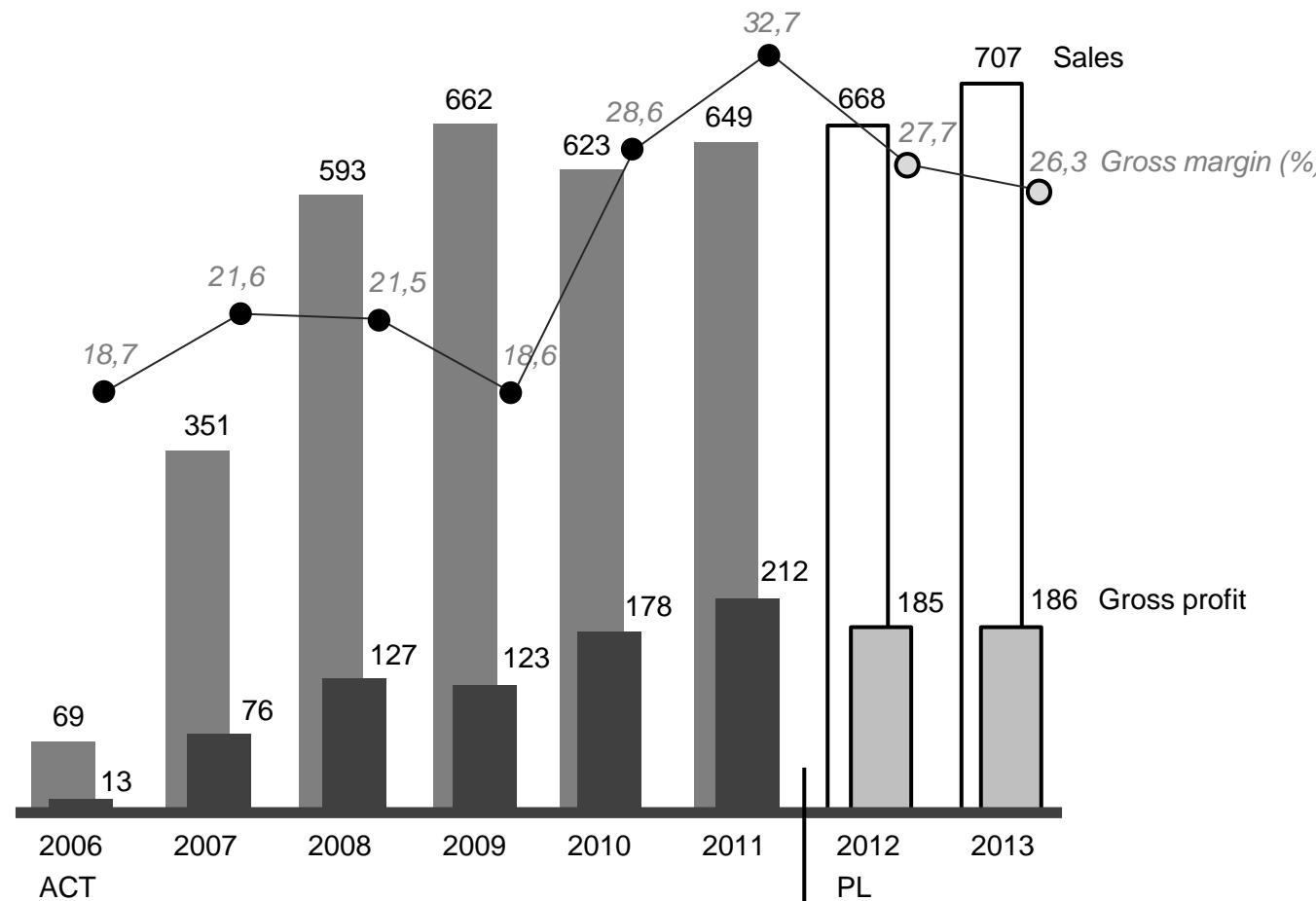
Change message

Alpha Group

Sales, gross profit in mEUR

Gross margin in %

2006..2013



Compared to 2011 gross margin

will decrease by 6,4pp (from 32,7% to 26,3%)

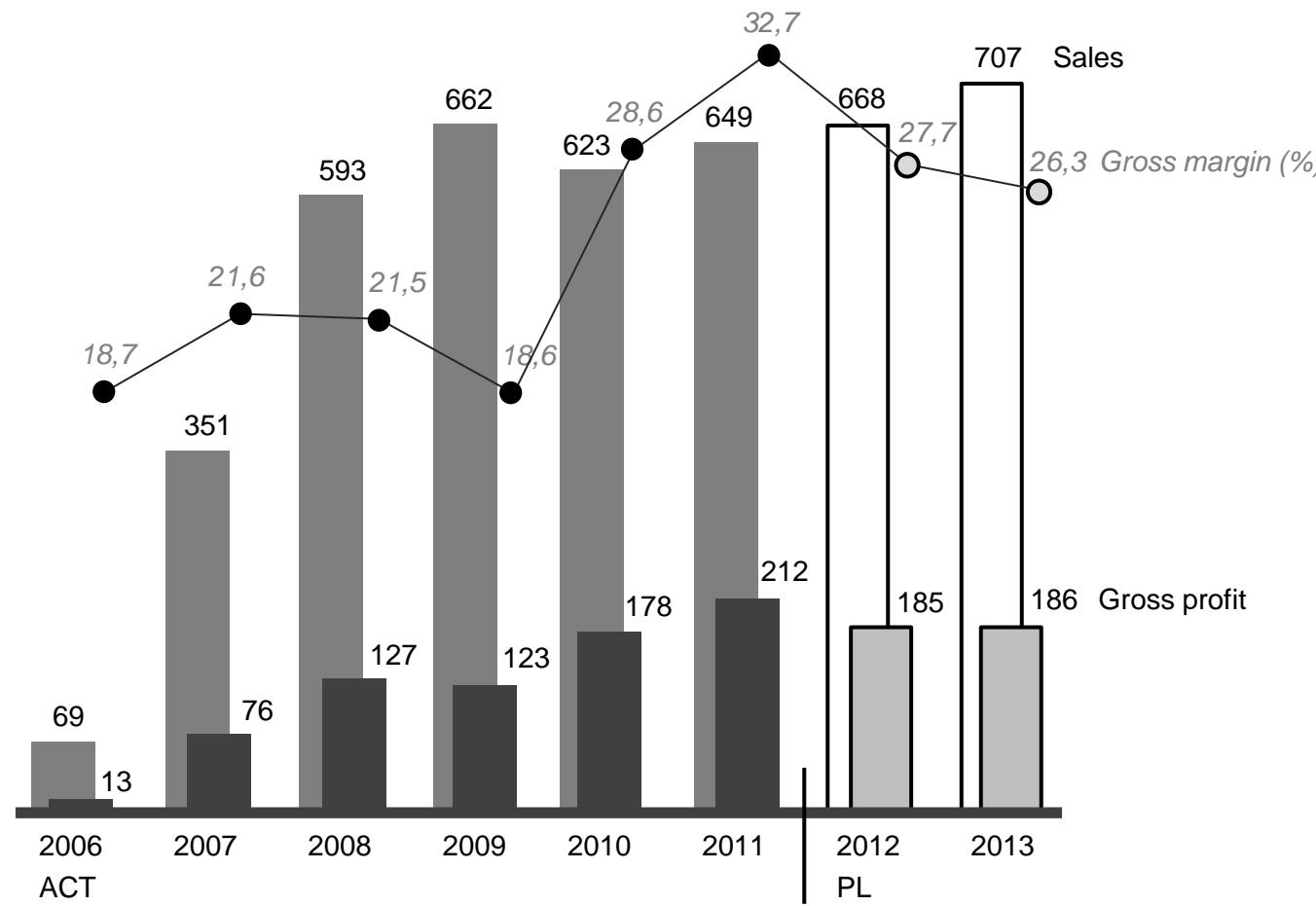
Change message

Alpha Group

Sales, gross profit in mEUR

Gross margin in %

2006..2013



Compared to 2011 gross margin

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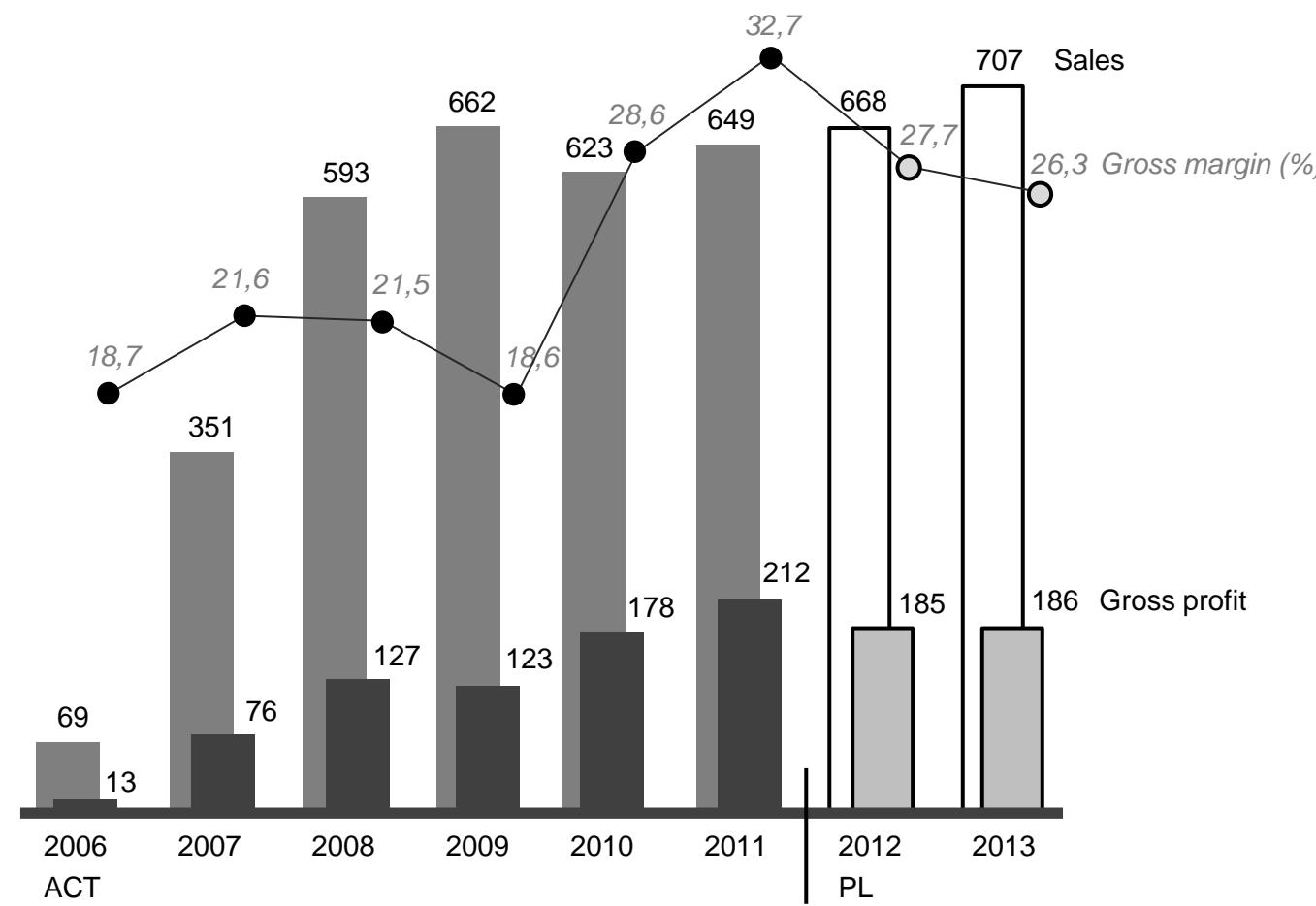
Alpha Group

Sales, gross profit in mEUR

Gross margin in %

2006..2013

Highlight message



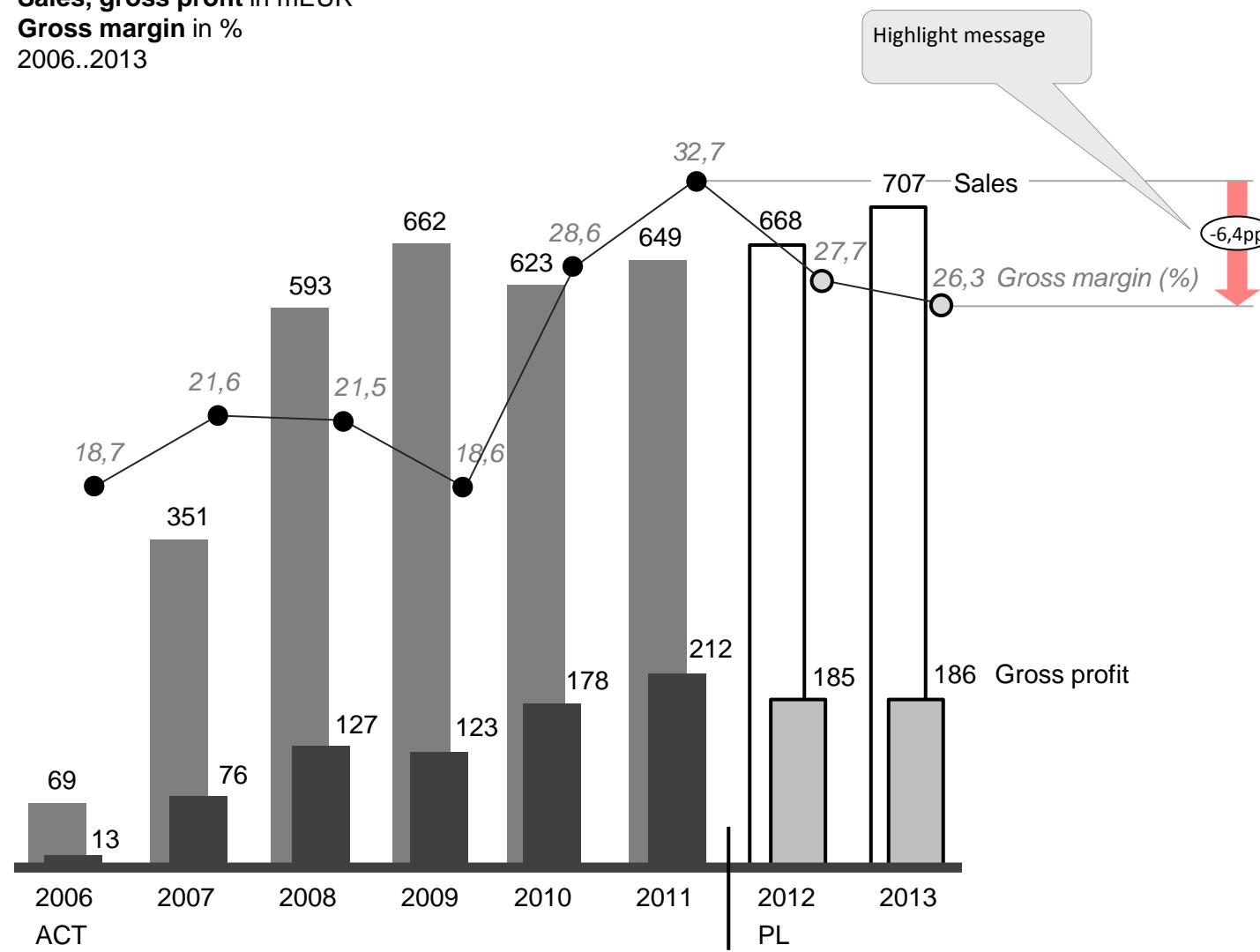
Compared to 2011 gross margin
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Alpha Group

Sales, gross profit in mEUR

Gross margin in %

2006..2013





Compared to 2011 gross margin

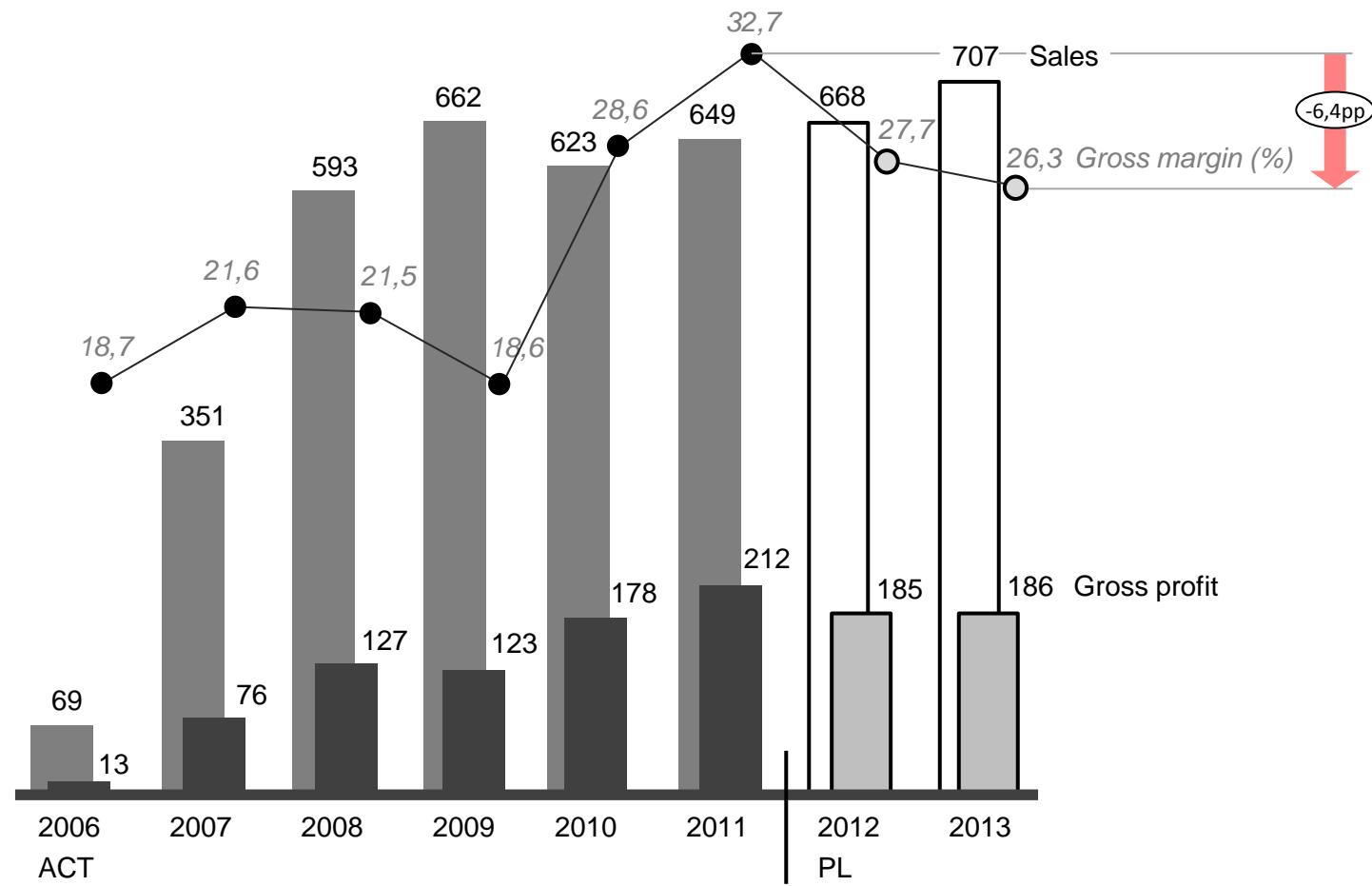
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Alpha Group

Sales, gross profit in mEUR

Gross margin in %

2006..2013





Compared to 2011 gross margin

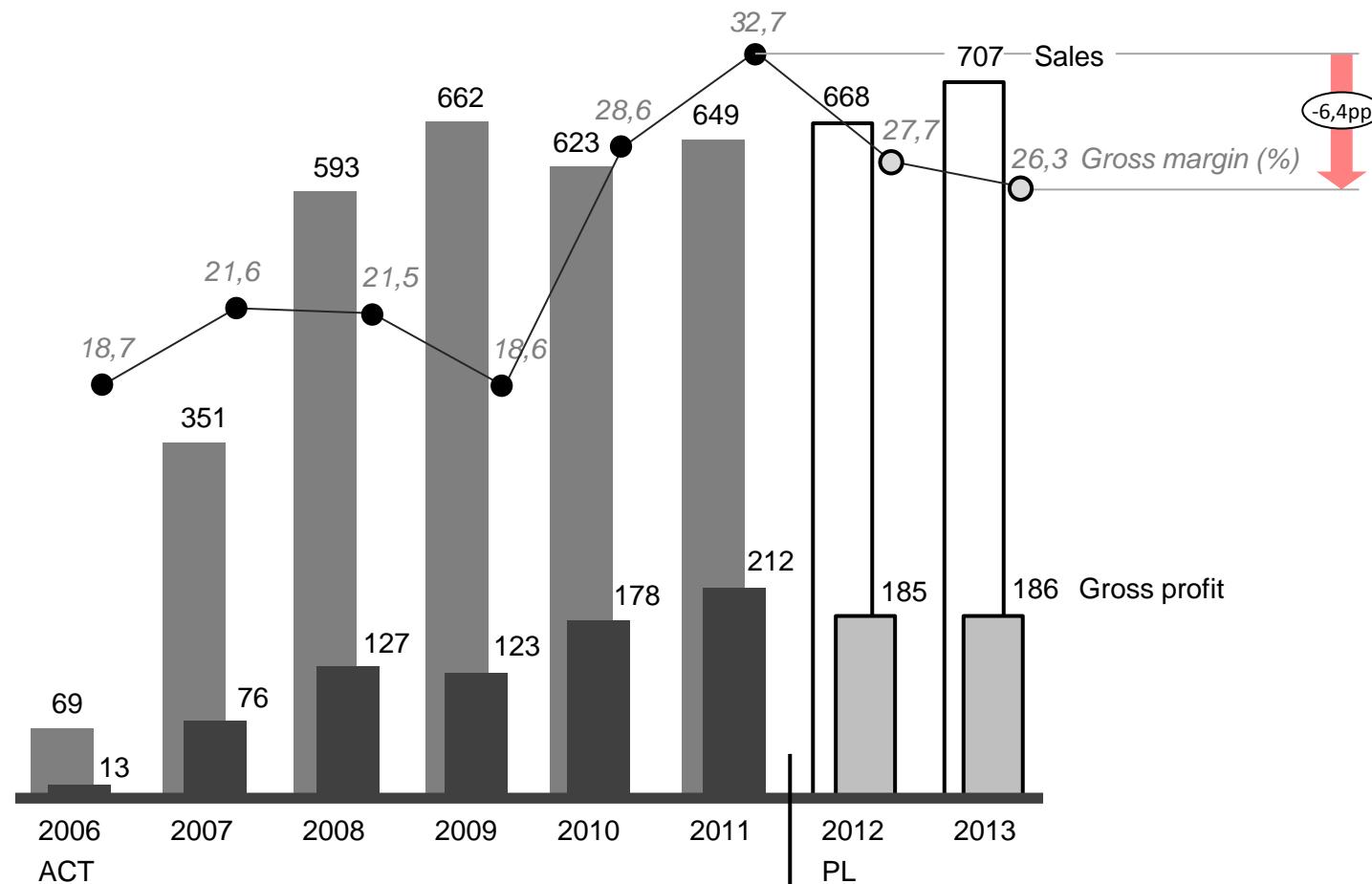
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Alpha Group

Sales, gross profit in mEUR

Gross margin in %

2006..2013



Compare to
original layout

analysis of trends

Data as of: 03.11.2009, 06:15:00

2009 | 2008 | 2007 | 2006 | Jan | Feb | Mrz | Apr | Mai | Jun | Jul | Aug | Sep | Okt | Nov | Dez | Week | ▾ | ○

Customer

Modehuset Abel
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Salesrep

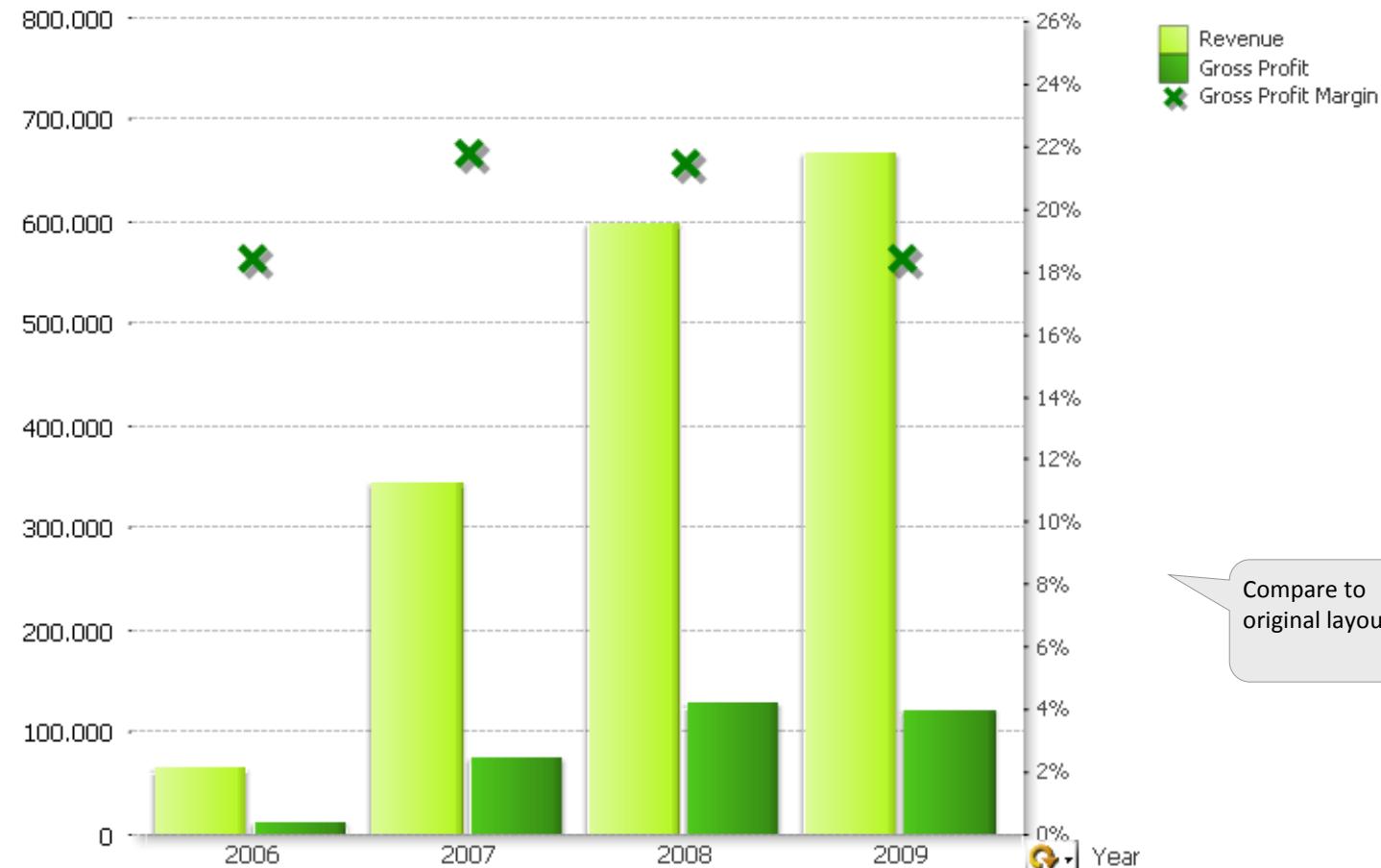
Rock Roll
 Elvis Presley
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Product

Mehmet-Napp
 Mehmet-Skor
 Sumi Underwear
 Shagall Socks

product development**seasonal revenue YTD****rolling 3 6 9****analysis of salestrends****costumer revenue YTD****Feld Filter**

Verteilung proportional
 smethode

analysis of trends

Compare to
original layout

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or directly at www.vorher-nachher.hichert.com

Regards
Rolf Hichert
rh@hichert.com



info@hichert.com
www.hichert.com
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