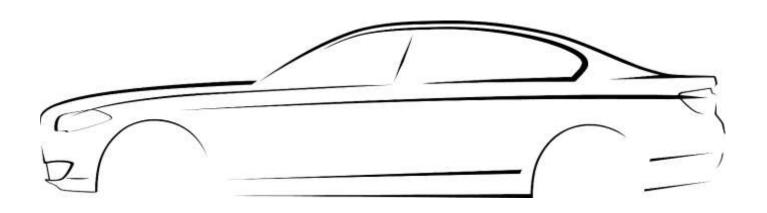
# BMW Brilliance Automotive, Plant Shenyang. Investor & Analyst Meeting.



Hans Kroeppelt,

Senior Vice President Manufacturing & Plant Director,

BMW Brilliance Automotive.

Investor & Analyst Meeting

Shenyang September 2010



# Investor & Analyst Meeting. Joint Venture history and milestones.

Mar. 27 2003	Signing of Joint Venture Contract
Oct. 18 2003	Launch of 3 Series
Nov. 28 2003	Launch of 5 Series
Sep. 10 2005	Launch of new 3 Series
Nov. 18 2006	Launch of new 5 Series long wheel base
Sept. 2008	5 <sup>th</sup> Anniversary & 100,000 <sup>th</sup> Car Roll off
Nov. 12 2009	Signing 2nd plant Investment Agreement with the Shenyang Municipal government
Jan. 2010	Go live Migration from CKD production to Transplant
Jun. 16 2010	Start of Production E90 in second production site
Jul. 01 2010	Launch of new 5 Series long wheel base

### **Investor & Analyst Meeting. Plant Shenyang Vehicles.**

#### **Producer of three vehicles:**

 Sole producer of first Generation 5 Series Sedan Long Wheelbase in run out phase

Producer of 3 Series



 Sole Producer of the second Generation of The New BMW 5 Series Sedan Long Wheelbase

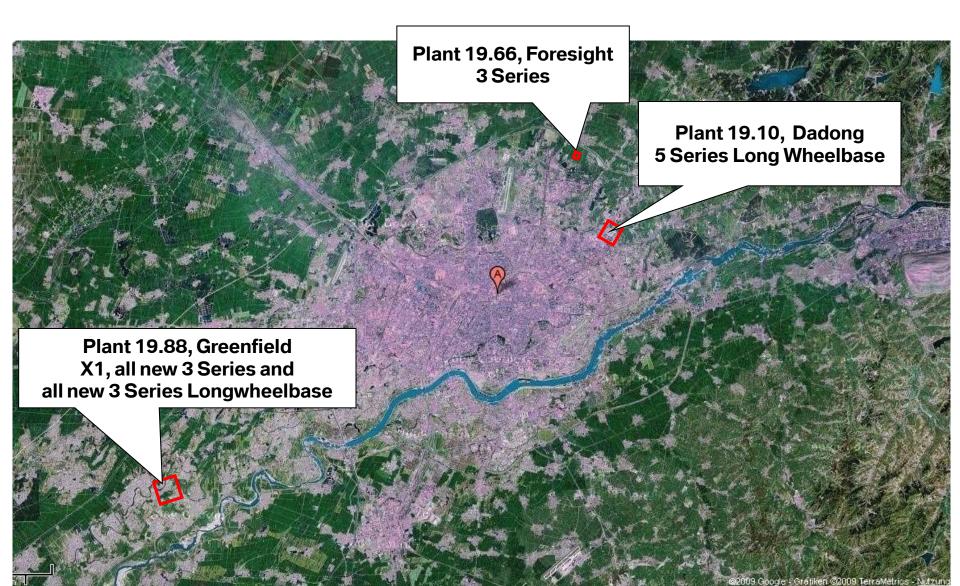


# **Investor & Analyst Meeting. Plant Shenyang Data.**

- Size of used area in plant 280,000 square meters
- Production area: 200,000 square meters
- 2 Production sites (Dadong/Foresight)
- Plant Capacity in 2011: 75,000 cars per year
- 4.300 Employees

### **Investor & Analyst Meeting.**

The two locations in Shenyang & new plant Greenfield.



# Investor & Analyst Meeting. Layout Plant Dadong & Foresight.



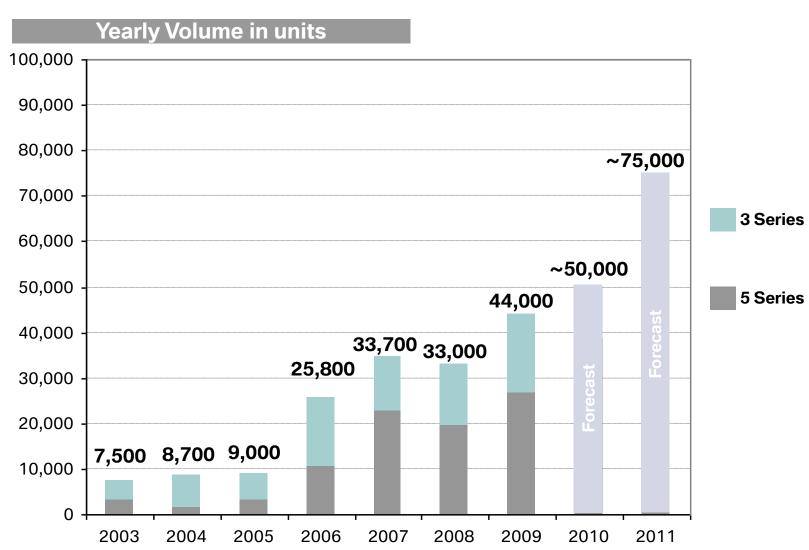
## Investor & Analyst Meeting. Plant Layout Assembly 3 Series (Foresight).



### Investor & Analyst Meeting.

### **Production Volume Development.**

**Production Volume 2003 - 2011.** 



### **Investor & Analyst Meeting. Shift Model.**

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
00:00							
00.00		С	С	С	С	С	С
02:00-02:45	MTNC	break	break	break	break	break	break
06:00		5.25	5.25	5.25	5.25	5.25	5.25
	А	А	А	Α	Α	Α	
10:30 - 11:15	break	break	break	break	break	break	
14:00	7.25	7.25	7.25	7.25	7.25	7.25	
	В	В	В	В	В	В	MTNC
18:00 - 18:45	break	break	break	break	break	break	
22:00	7.25	7.25	7.25	7.25	7.25	7.25	
	С	С	С	С	С	С	
24:00	2	2	2	2	2	2	
working hour	16.5	21.75	21.75	21.75	21.75	21.75	5.25

	1st Week	2nd Week	3rd Week
Shift Group A	43.5	43.5	43.5
Shift Group B	43.5	43.5	43.5
Shift Group C	43.5	43.5	43.5

3.5h Work Time Account per associate and week

# **Investor & Analyst Meeting Technology Overview.**

#### Logistics:

- ~ 30,000 m2
- ~ 800 Production associates

#### Body Shop (3 and 5 Series)

- ~ 70,000 m2 (incl. logistics operation)
- ~ 1000 Production associates
- F18 Body Shop on latest BMW standard

#### **Paint Shop**

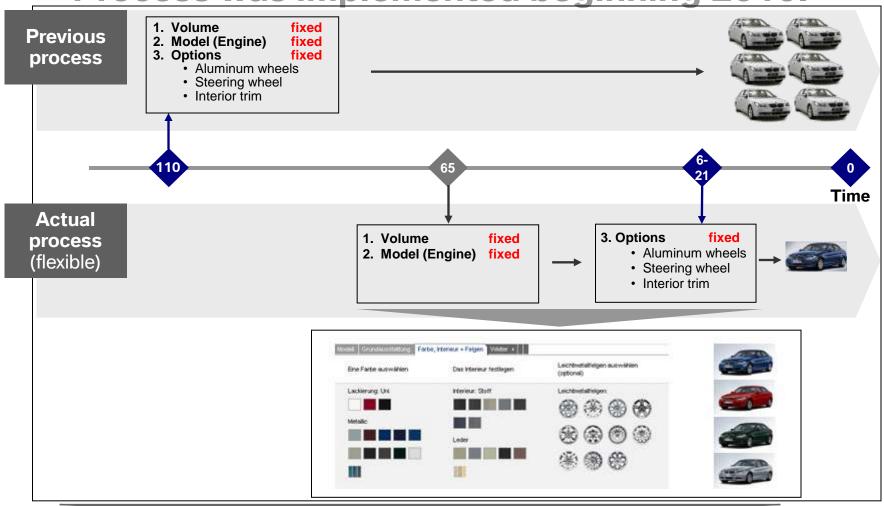
- ~ 50,000m2
- ~ 500 Production Associates

#### **Assembly (Dadong & Foresight)**

- ~ 50,000m2
- ~ 1400 Production Associates

### **Investor & Analyst Meeting**

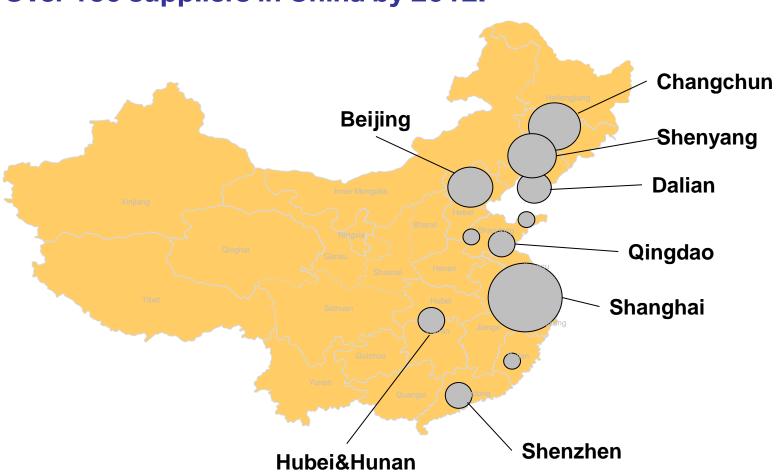
Customer Oriented Sales and Production Process was implemented beginning 2010.



- Improved Customer Orientation (faster response to market demand)
- Reduction of VDC Stock (potential savings)
- Better Competitiveness due to Flexible Options

# **Investor & Analyst Meeting Local Supplier.**

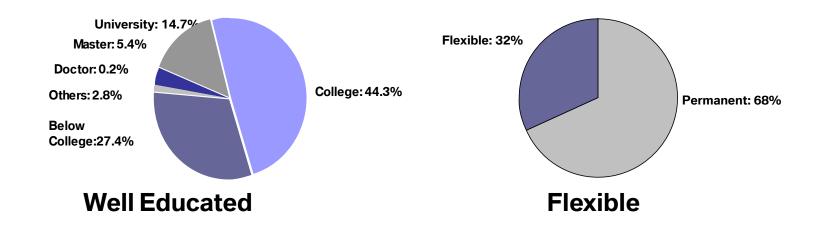
Over 160 suppliers in China by 2012.



### **Investor & Analyst Meeting.**

### Human Resource. Headcount structure.

- Plant has around 4,300 employees (BBA 2,920; Flexible 1,380).
- The average age of the highly motivated and skilled associates is around 27 years old.
- Over 69.8% of all employees have at least a college degree.



### **Investor & Analyst Meeting.**

# Long Term Targets & new Products for Plant Shenyang/Dadong.

- Continue to produce World Class Quality
- Continuous Capacity Increases at Plant Dadong/Foresight and new plant in Tiexi up to 300,000 units/year (depending on the marked demand)
- Continue Sustainable Efficiency Increase (average 10-12 %/a)
- Continue Environmental Sustainability
  - Energy was reduced by ~40% 2008-today
  - VOC was reduced by ~20% 2008-today
  - Water Consumption was reduced by ~60% 2008-today
  - Process Waste Water was reduced by ~30% 2008-today
  - Waste for Disposal was reduced by 70% 2008-today
- Production of New Energy Vehicle together with our Partner Brilliance, in keeping with the priorities of the Chinese Government (10 year development plan for Fuel Efficiency and New Energy Vehicles)
- Continue with sustainable Corporate Social Contribution Activities for Chinese/Shenyang Society
  - Educational Support; e.g.: BMW China Excellent University Students Award or BMW China Children's traffic Safety education
  - Environmental Protection, e.g.: Environmental Sustainability in Production or Earthquake-hit area Environmental Protection Programs integrated into other events (e.g. eco-bag)
  - Cultural Promotion, e.g.: BMW China Culture Journey or BMW China Culture Night
  - Corporate Governance, e.g.: ASR projects or Employees care and development