



**Ultra-high solids (UHS) + water-borne coatings:**  
chassis, cabin, dump body, trailer, plastic parts



**UHS and water-borne coatings**



**Painted film:**  
roof rails, panels, pillars, trims, grilles



**Water-borne coatings:**  
car exterior and interior



## 5. Team Up

- In 2018, we'll be celebrating 100 years in business
- We took water-borne coatings to the world market 30 years ago
- We are young enough to remain a pioneer in coatings for challenging surfaces
- The full package: high quality products, fresh ideas, service and a paint process specialist all-in-one
- Everything combined with environmental awareness and an ecofriendly approach



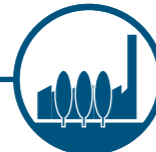
# 5 Steps to Greener Manufacturing



## 1. Define Your Goals

Why do we strive for greener coatings?

- legislation, e.g. on VOC
- customer demand
- competitiveness
- health and safety concerns



## 2. Assess Impact on Your Business

### Benefits

- low VOC
- low odor
- less exposure to hazardous solvents
- less waste, safer waste treatment
- proven performance in application
- promote a greener corporate image

### Challenges

- application parameters and climate conditions in paint shops, e.g. temperature, humidity
- choice of substrate and pretreatment
- formulation know-how specific to coating systems



## 3. Understand the Technology

### Solution: VOC-reduced coating

- water-borne coatings
- ultra-high solids (UHS) solvent-borne coatings
- painted film: zero emission technology



## 4. Make Use of Best Practices

“ We drive strategic cooperation with Germany's strongest automotive companies. As a pioneer in ecofriendly manufacturing, we needed to set up everything necessary to work with **water-borne** coatings and specialists like **Wörwag**. We consider it a long-term investment in our company, and are enthusiastic about the benefits our employees and customers experience. We look forward to inspiring more manufacturers to switch to **VOC** reduced coating. ”

### **Robert Cao**

chairman JJ Group  
BBAC 2017 award winner

We are a German pioneer in the coatings industry, with employees around the globe, and production sites in China.



Get in touch with us:  
[woerwag.com/greencoatings](http://woerwag.com/greencoatings)

### **Kemin Chi**

General Manager  
Worwag Coatings (Langfang) Co. Ltd  
9 Quanxing Road  
065001 Langfang, PR China  
+86 316 5919509  
kemin.chi@woerwag.com

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