

**Witamy w Gestamp Wrocław!**



**Gestamp** 



## Nasze lokalizacje na świecie



- ❖ Tłoczenie i spawanie części metalowych
- ❖ Powierzchnia zakładu: 20000 m<sup>2</sup>

USA MEXICO BRAZIL ARGENTINA SWEDEN UK GERMANY FRANCE SPAIN PORTUGAL POLAND HUNGARY CZECH REPUBLIC SLOVAKIA TURKEY RUSSIA SOUTH KOREA CHINA INDIA THAILAND



Volkswagen



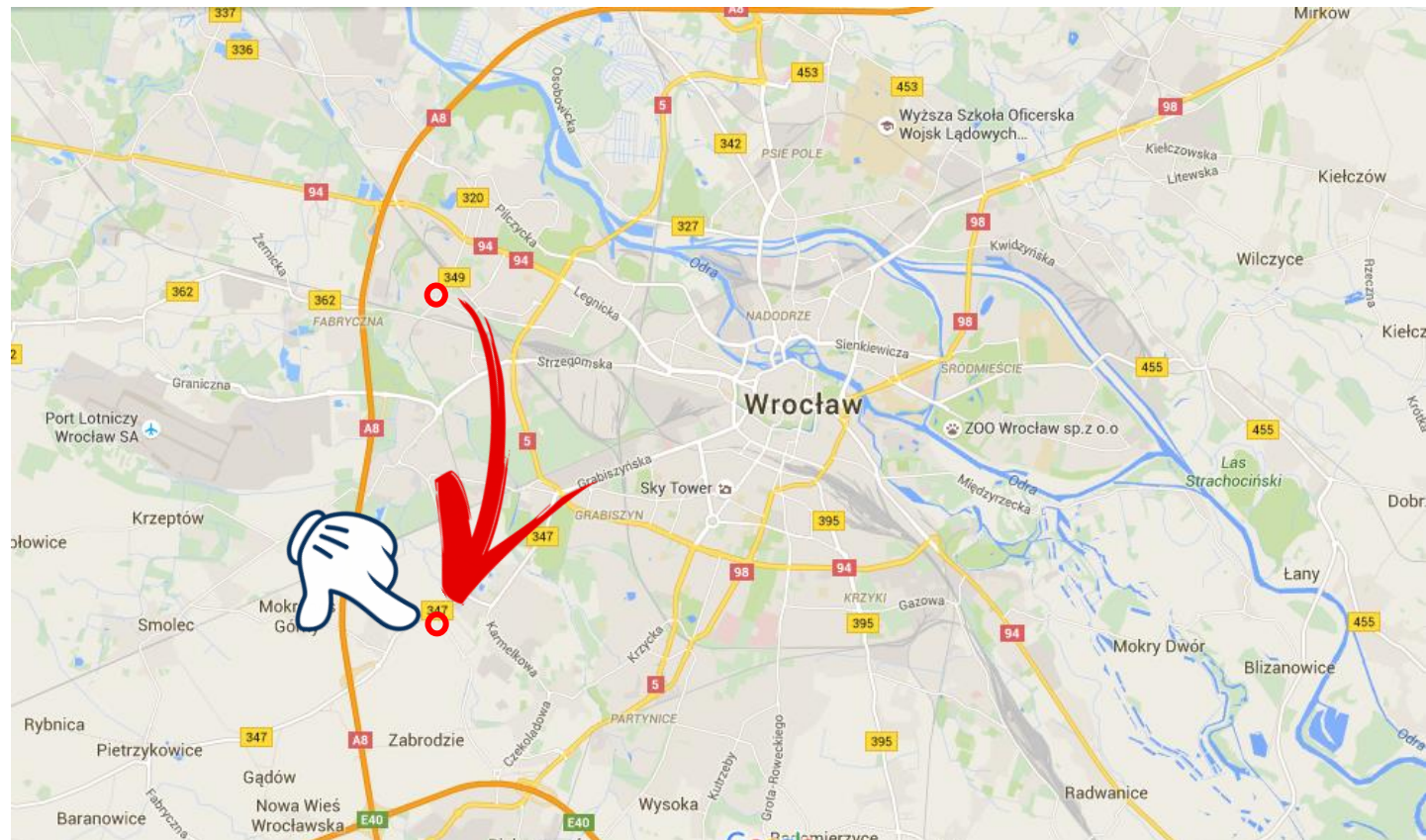
RENAULT



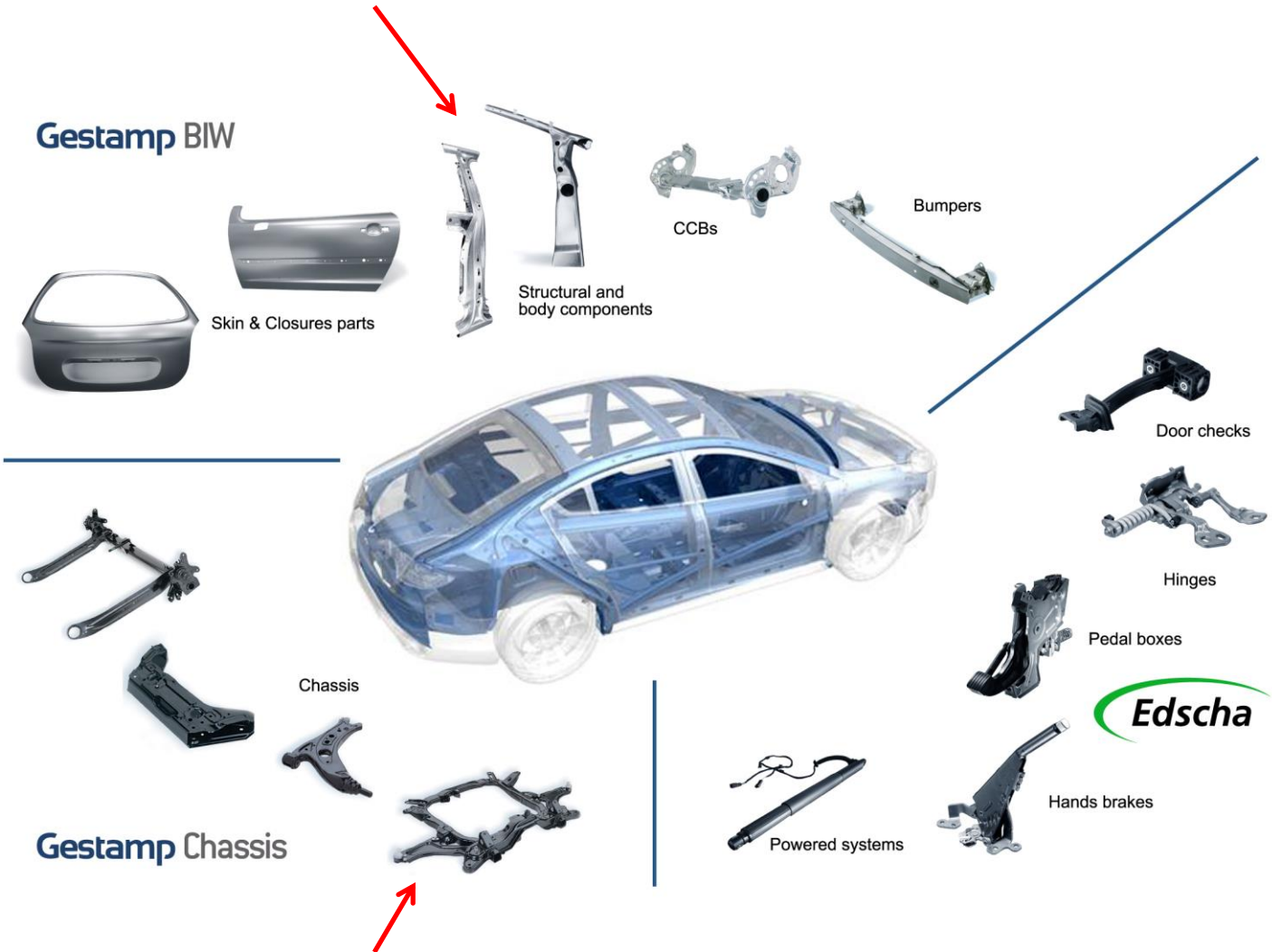
PEUGEOT



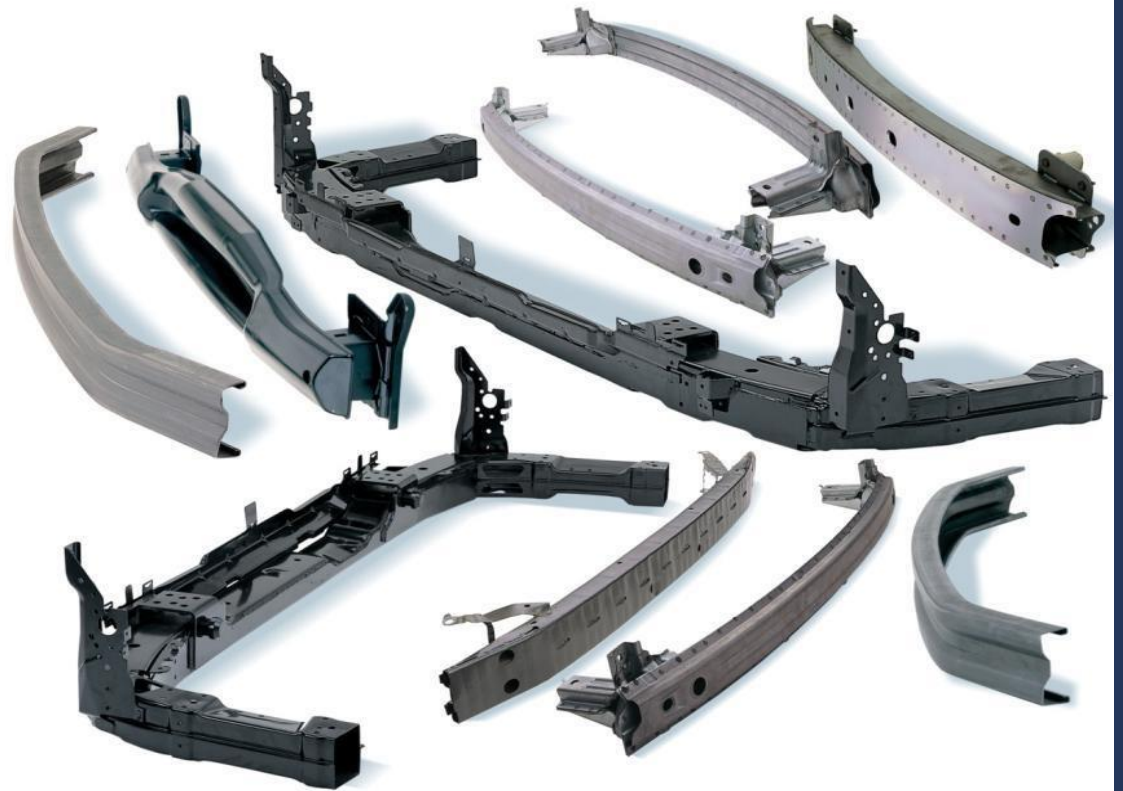
- ❖ Termin przeprowadzki XI.2015
- ❖ Uruchomienie nowej fabryki I.2016
- ❖ Kluczowe procesy: KTL, spawanie punktowe, montaż, tłocznictwo



Słupki, podłużnice, belki wzmacniające, ściana grodziowa



Elementy podwozia: rama podtrzymująca silnik













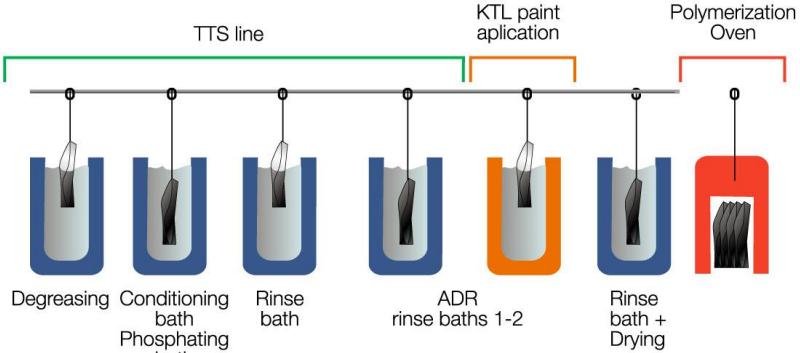


Blank → Press-Step 1 → Press-Step 2 → Press-Step 3 → Final product

**COLD STAMPING**



The diagram illustrates the cold stamping process, showing a sequence of five stages: a flat blank, followed by three sequential pressing steps (Press-Step 1, 2, and 3) where the metal is progressively shaped into a cup-like form, and finally the finished final product. To the right, a photograph shows a close-up of a metal part being stamped by a machine.



TTS line


KTL paint application

Polymerization Oven

Degreasing bath | Conditioning bath Phosphating bath | Rinse bath | ADR rinse baths 1-2 | Rinse bath + Drying

**CATAPHORESE**

Final Parts



The diagram depicts the cataphoresis process. It starts with a TTS line where parts pass through a degreasing bath, a conditioning bath with phosphating, and a rinse bath. They then go through two ADR (Anodic Degas) rinse baths, followed by a final rinse and drying. The parts then undergo KTL (Kathodic Electrocoat) paint application and are finally cured in a polymerization oven. The resulting final parts are shown as a stack of black, curved metal components. A photograph on the right shows a stack of these finished parts in a factory setting.



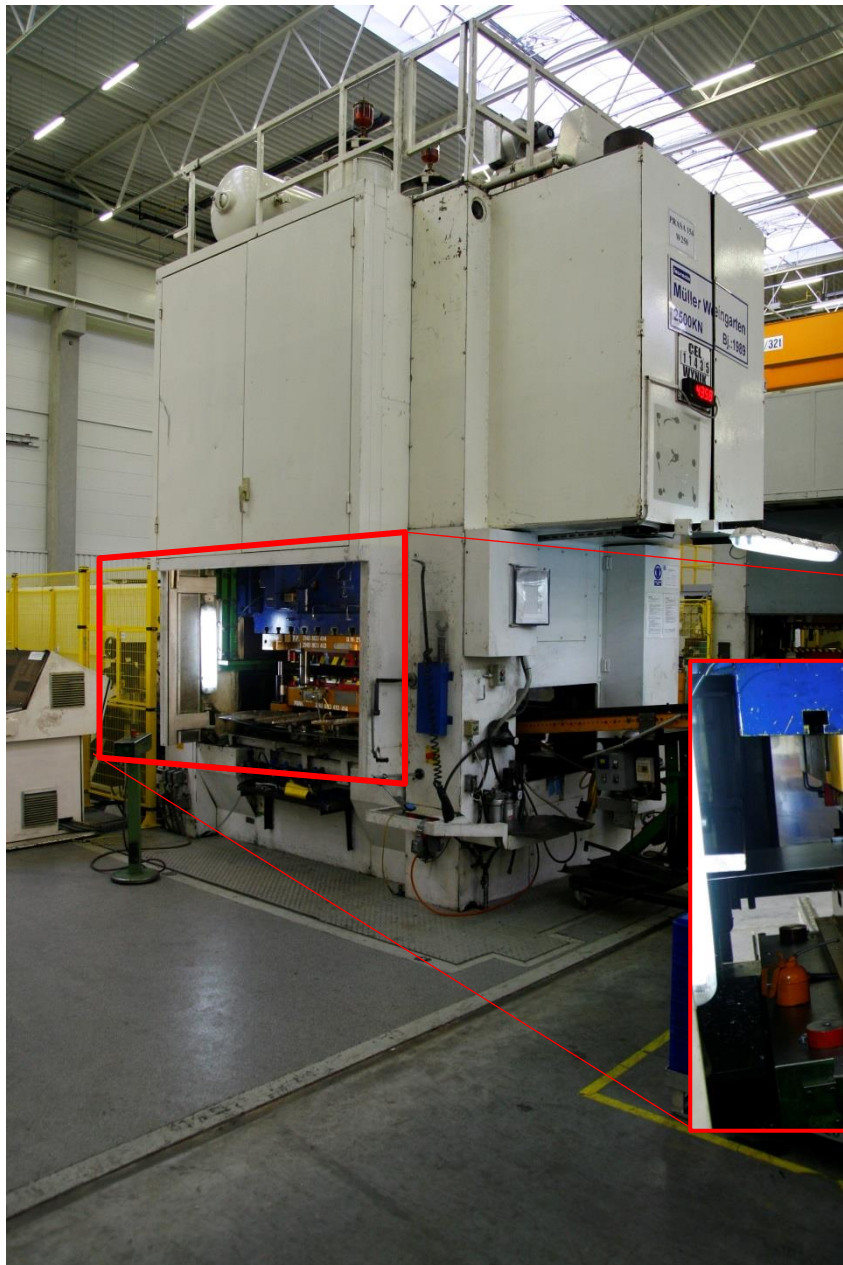
Welding → Assembly → Final product

**WELDING AND ASSEMBLY**



The diagram shows the welding and assembly process. It begins with a welding step where two metal pieces are joined. This is followed by an assembly step where the welded part is combined with other components. The final product is a complex, multi-part assembly. A photograph on the right shows a robotic arm performing welding or assembly on a large metal structure in a factory.

- ❖ 4 prasy progresywne ( 200 - 400 ton)
- ❖ 2 prasy manualne (250 i 400 ton)
- ❖ 1 prasa progresywna (800 ton) – start wrzesień 2016
- ❖ 1 prasa transferowa ( 1600 ton) – start wrzesień 2016



### Zgrzewanie manualne – 16 stanowisk

- ❖ Roboty KUKA – 2 stanowiska

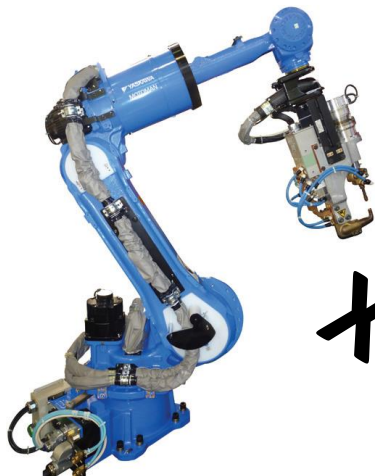
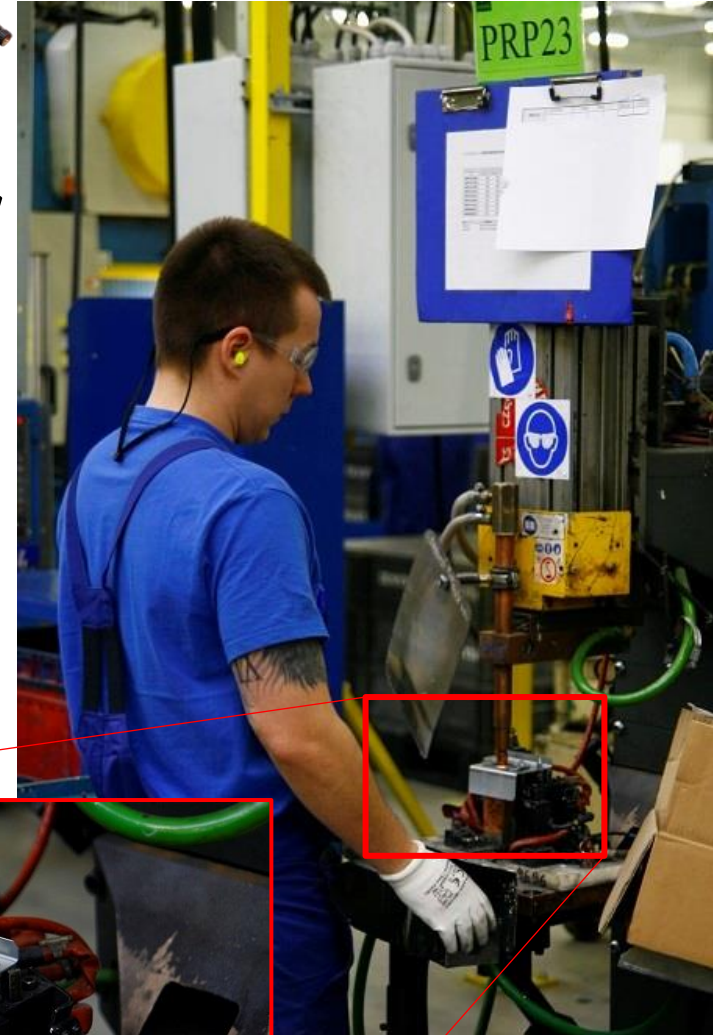


x4

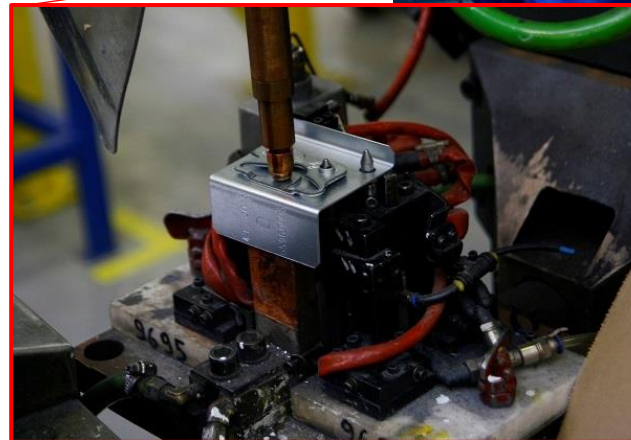
### Zgrzewanie automatyczne –

#### Motoman (Yaskawa) 45 robotów

- ❖ Roboty manipulacyjne – 35%
- ❖ Roboty zgrzewalnice – 65 %

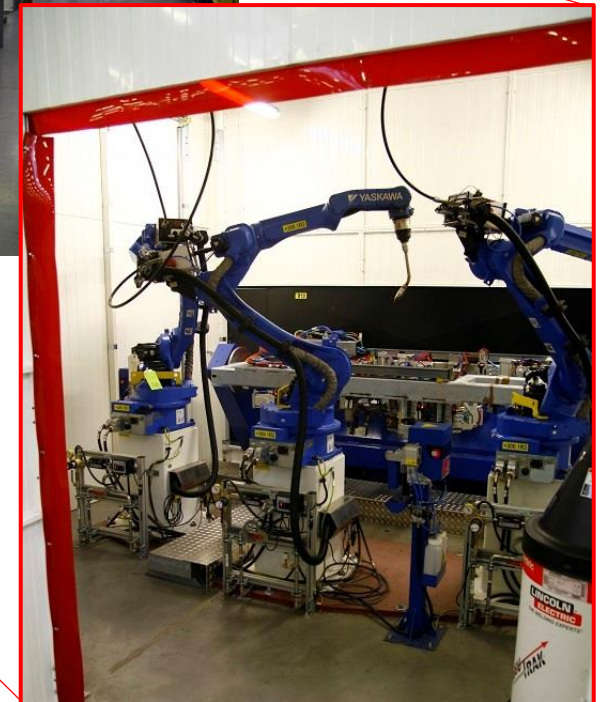


x 45



**Linia Subframe:  
Motoman (Yaskawa)**

- ❖ 8 stacji robotów
- ❖ 19 robotów spawalniczych
- ❖ 9 robotów manipulacyjnych
- ❖ 3 roboty woskujące



**Plan: ok 200 tyś. sztuk/rok**

**X 31**

### Linia KTL:

- ❖ 17 wanien zanurzeniowych
- ❖ Etapy procesu:
  1. Przygotowanie do malowania
  2. Nakładanie farby
  3. Płukanie
  4. Wygrzewanie



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**Dziękujemy!**