



## PRESENTATION KEY POINTS

1. HISTORY
2. NEWAG TODAY
3. INFRASTRUCTURE
4. PRODUCTS
5. CURRENT PROJECTS
6. CERTIFICATES



# HISTORY



## 1876

Establishment of  
Imperial-Royal Railway Workshop  
in Nowy Sącz



## History

1876



- Imperial-Royal Railway Workshops are set up

2003



- ZNTK becomes a private company and changes its name to NEWAG

2008



- The first vehicle built from scratch – an electric multiple unit

2013



- Speed record is broken (211.6 km/h)
- The first multisystem locomotive
- NEVELO tram debuts in Cracow
- Newag debuts on Warsaw Stock Exchange

2015



- New speed record is set (226 km/h)
- First VULCANO DMU delivered to Italy
- Contract signature for EMUs to Italy - Bari

2017



- First EMU fully compliant with TSI 2014 with ETCS 2 on-board (three types: 36WEa, 31WEa, 45WE)
- Delivery of 100th IMPULS EMU

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# NEWAG TODAY

Newag is headquartered in Nowy Sącz (South-Eastern Poland)



<b>Warsaw</b>	Total area : 458 m <sup>2</sup>
	Production halls: 1

Profile: Manufacturing of electronic components, electric motors, generators and transformers, electrical switchgear and control gear, as well as repair and maintenance of electric equipment

<b>Nowy Sącz</b>	Total area: 29.5 ha
	Area under roof : 10.3 ha
	Production halls : 11

Profile: Manufacturing, modernisation, repair and maintenance of railway vehicles:  
 - Electric Multiple Units  
 - Diesel Multiple Units  
 - Electric and diesel locomotives  
 - Passenger cars  
 - Trams

<b>Gliwice</b>	Total area: 8.23 ha
	Area under roof: 3.5 ha
	Production halls : 4

Profile: Modernization and repairs of electric locomotives

<b>Kraków</b>	Newag IP R&D Department
	Total area: 350m <sup>2</sup>

Profile: - RAMS/LCC Calculations  
 - MES simulations  
 - Electric locomotives mechanical designers



Production facility

Production workers	1173
Engineers	301
Quality department	36
Administration	298
<b>TOTAL</b>	<b>1808</b>



Employment



2005

2008

2011

2012

2013

2014

2015

2016

2017



NEWAG product range





# INFRASTRUCTURE

TO 2008		2009 - 2011		2012 - 2016	
MODERNIZATION NEW INVESTMENTS	12 MLN 9,2 MLN	MODERNIZATION NEW INVESTMENTS	5 MLN 10 MLN	MODERNIZATION NEW INVESTMENTS	5 MLN 39 MLN



## OVER 80 MLN Euro

Investments



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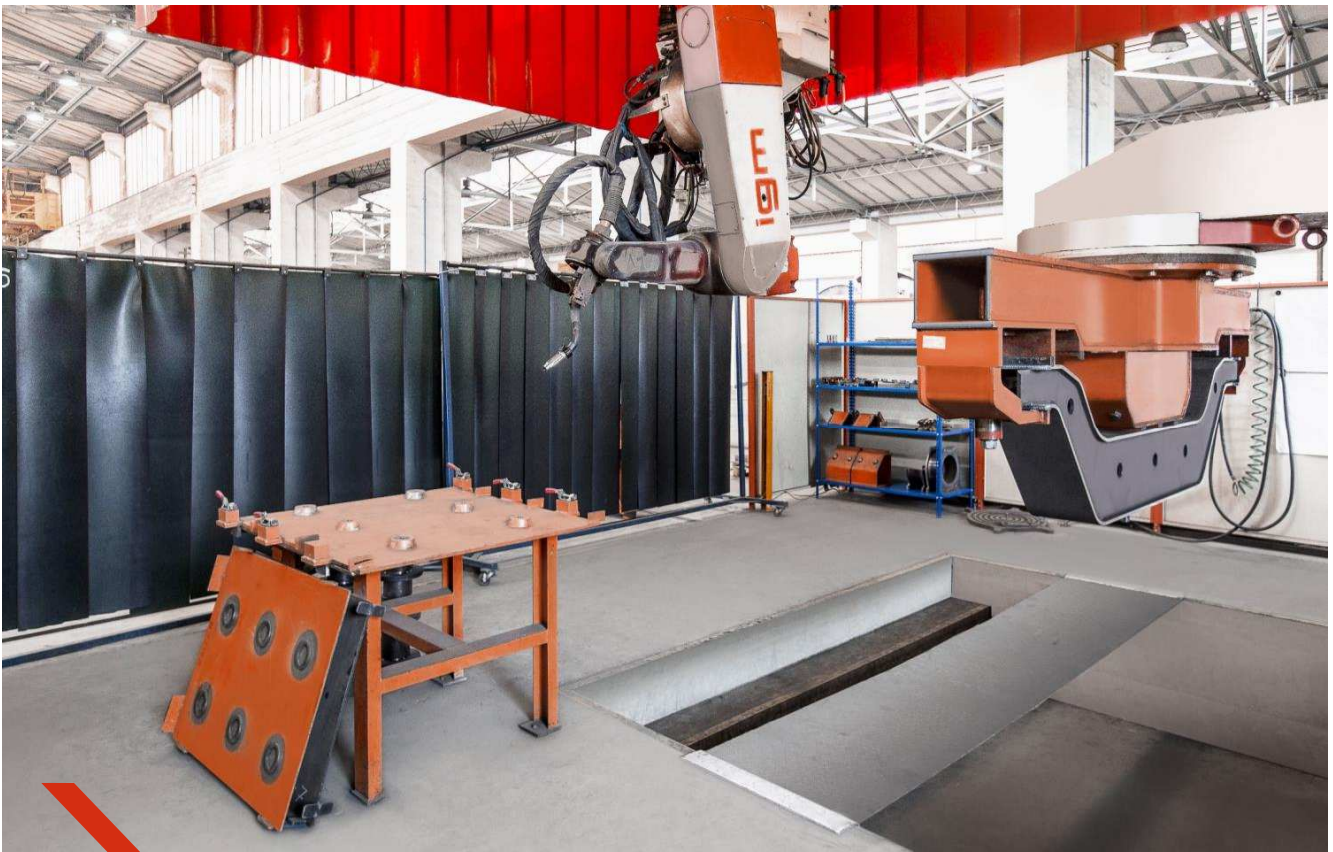




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# NEWAG products

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ELECTRIC & DIESEL MULTIPLE UNITS

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ELECTRIC & DIESEL LOCOMOTIVES

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TRAMS

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Impuls II



Impuls II

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Impuls II

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Impuls II



Impuls II





Vulcano



Vulcano







Vulcano



Vulcano





Vulcano

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Vulcano

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# ELECTRIC MULTIPLE UNITS



IMPULS 36WEa fully TSI 2014 compliant vehicle with ETCS 2 on board

### IMPULS 37WE



### IMPULS 36WE/36WEa



### IMPULS 31WE/31WEa



### IMPULS 45WE




### IMPULS 35WE



IMPULS EMU platform

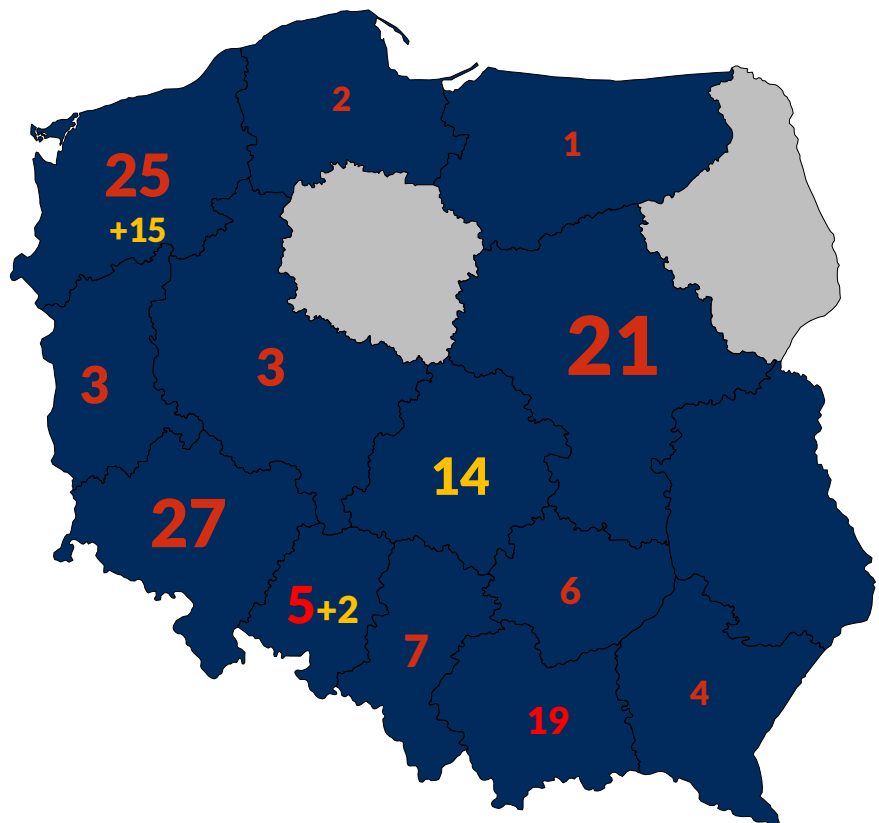


 NEWAG passenger vehicles

 IMPULSEMUs

**123 IMPULS trains  
in operation**

**31 to be delivered**



NEWAG passenger vehicles in Poland





First run of #100 Impuls vehicle



IMPULS IN ITALY





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11 Impuls 45WE for Koleje Dolnośląskie

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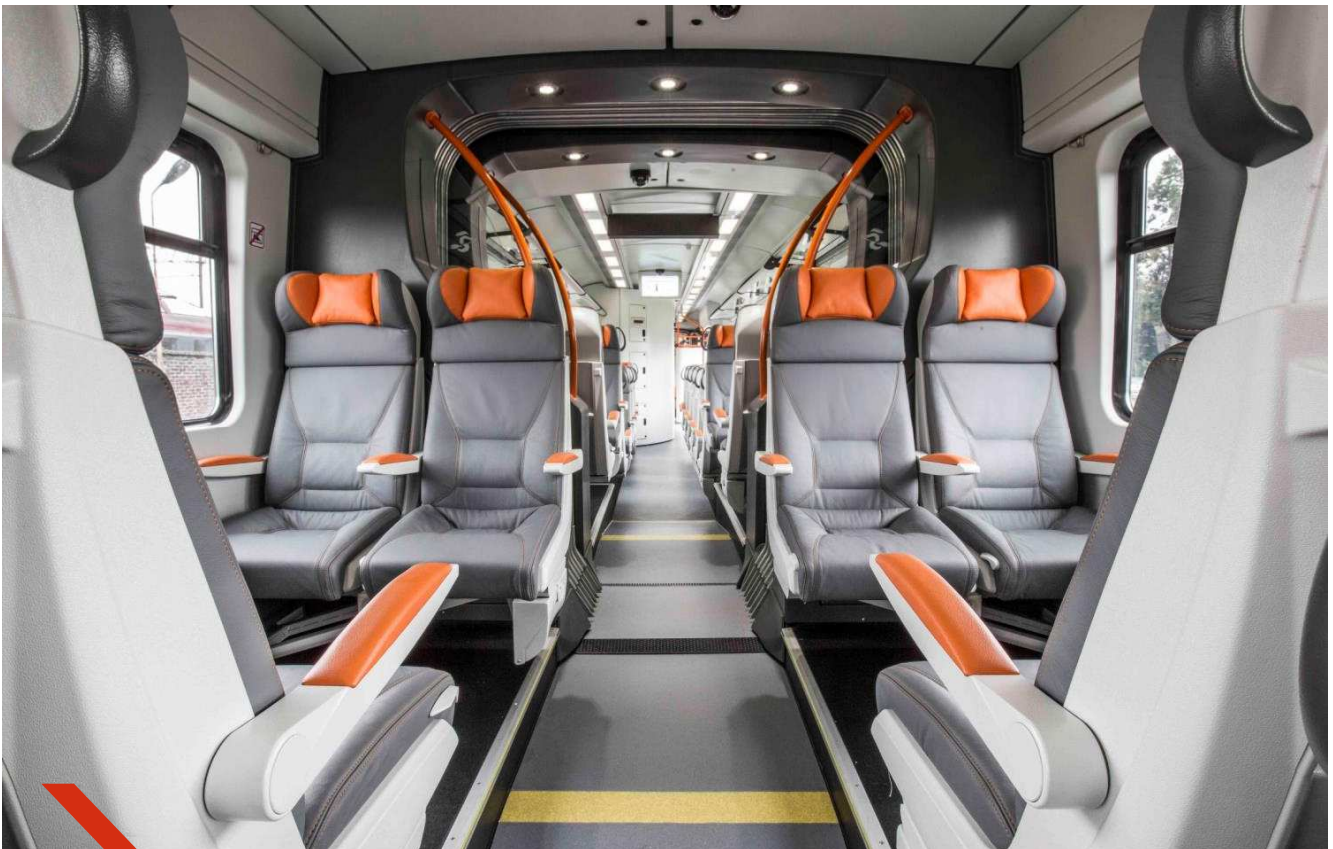
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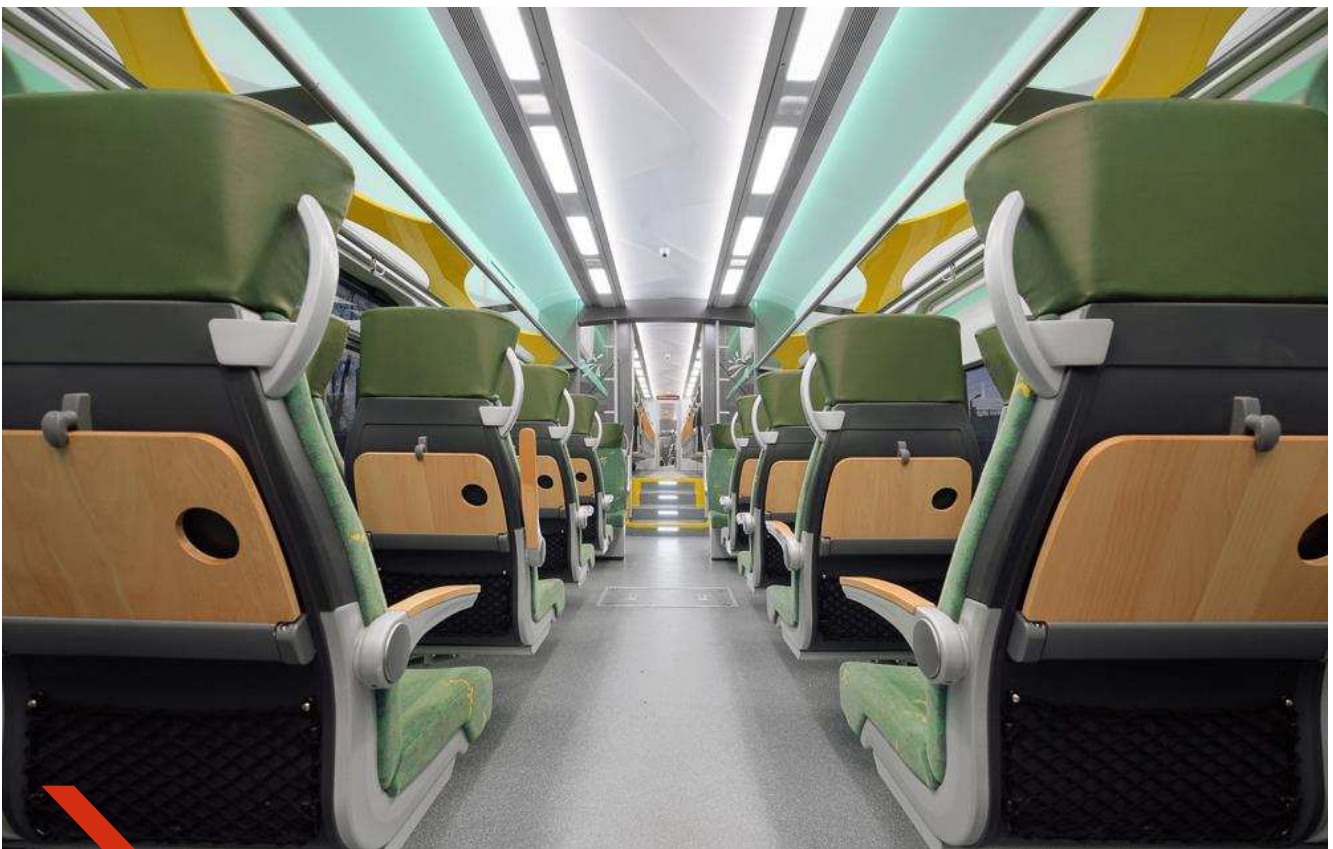


# DIESEL MULTIPLE UNITS





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# ELECTRIC LOCOMOTIVES



Dragon E6ACT



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Griffin E4DP for Lotos Kolej - TSI compliant





Griffin E4MSU



# TRAM

## NEVELO



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# NEWAG S.A. modernizes and repairs

DIESEL LOCOMOTIVES

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ELECTRIC LOCOMOTIVES

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PASSENGER COACHES

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ELECTRIC MULTIPLE UNITS

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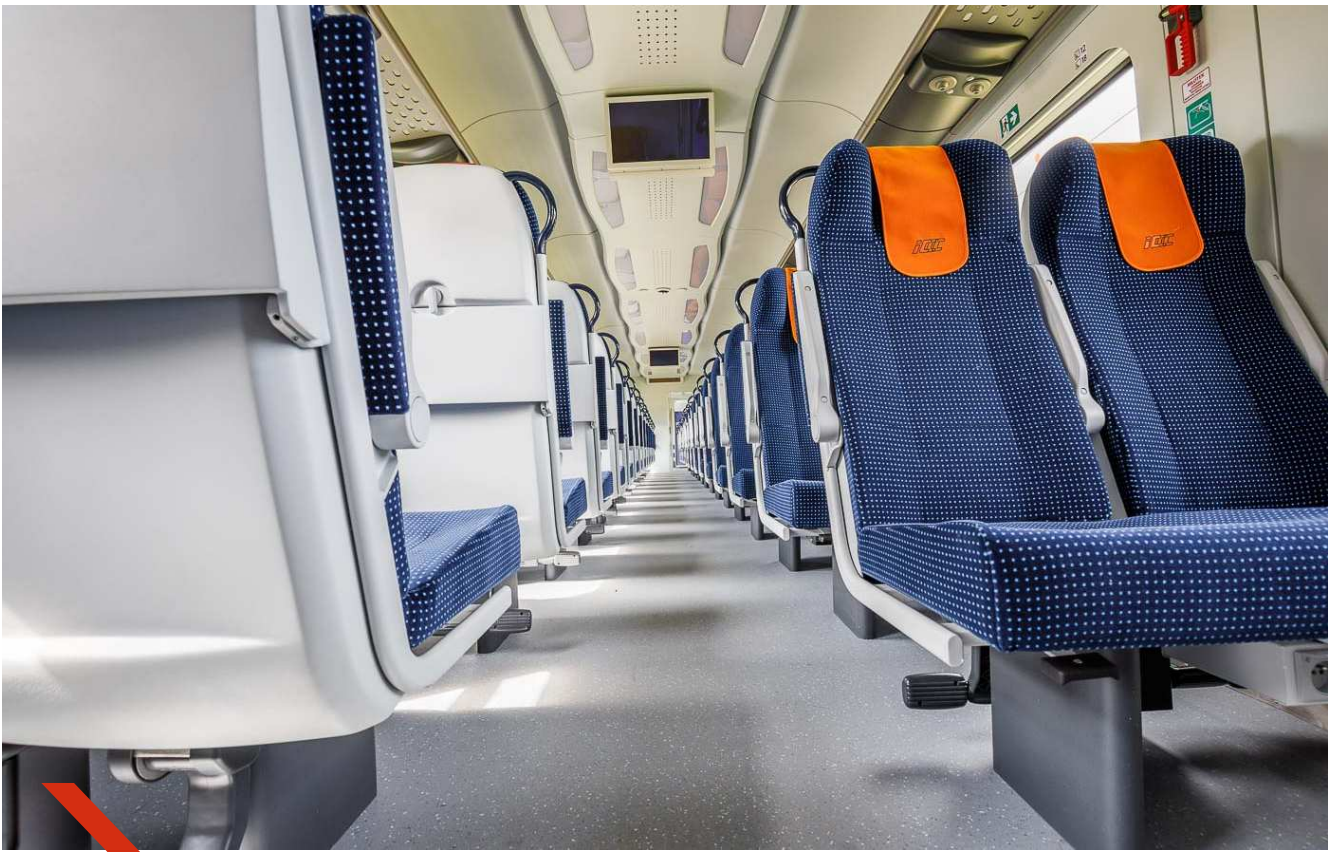




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# CURRENT PROJECTS



Metro for Sofia/Bulgaria – SIMETRO - SIEMENS and NEWAG consortium

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27 EMU's for Zachodniopomorskie Voivodship



14 IMPULS 2 EMU's for ŁKA





First fully compliant with TSI 2-car DMU for Podkarpackie Voivodship



First 6-axle electric locomotive fully compliant with TSI regulations





Griffin E4MSFDP - R&D Project 4-axle multisystem electric locomotive(NC BiR)



Diesel-Electric PrimeMover for IMPULS - R&D Project (NC BiR)





# PARTNERS & CERTIFICATES

**IRIS**  
*Certification*



**SIEMENS**

**STADLER**

Modernization of 37 locomotives from the M62 model to the 311D type

Production of 35 subway trains for Metro in Warsaw and 30 trains for Sofia

Production of 20 8-car EMUs for PKP Intercity



Strategic cooperation

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ISO 9001:2008

**IRIS**   
**Certification**



Certificates obtained

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THANK YOU

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