

# Mobile Transformer Solutions

Delta Star is the premier manufacturer of mobile transformers and mobile substations in the United States with over 40 years of trusted experience in mobile transformer manufacturing for investor-owned utilities, electric cooperatives and municipals in North America. Each Delta Star Mobile Transformer is built to withstand over 30 years of continuous use.

Option 01 | Mobile Transformers

Option 02 | Mobile Substations

Option 03 | Portable Transformers

1976

the first Delta Star mobile transformer is manufactured.

800+

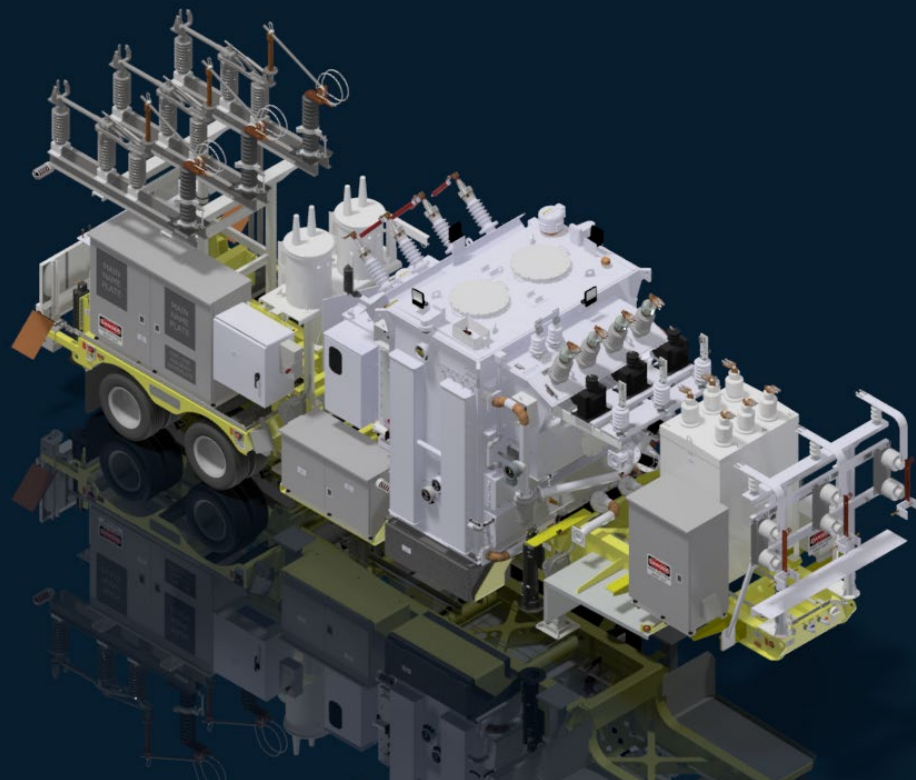
mobile transformers manufactured to date.

75%

of mobiles used in the North American market have been designed by Delta Star.

## APPLICATIONS

- ▶ Emergency Service
- ▶ Routine Maintenance
- ▶ Power Grid Support
- ▶ Power for Seasonal Load
- ▶ Temporary Power Supply
- ▶ Planned Outage



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# The Mobile Design

A Delta Star MTS is designed in such a way that transportation is easy and installation time short. They are pre-assembled at Delta Star manufacturing plants, exhaustively tested before leaving the factory, and may be used inside or outside of the substation if properly equipped.

## Mobile Power Made Easy

### ADVANTAGES



Light & Compact Design



Arrives to customer site fully assembled



HV & LV protection capabilities



Substation use inside or outside if properly equipped



Self-contained, auxiliary power supply (internal or external)

### EQUIPMENT SPECIFICATION



Single Line Diagram



DC Requirement



HV & LV Protection Devices



Preferred Number of Trailers



Catalog Numbers for Equipment



Available Tractor(s)

### SPECIFICATIONS



Voltage



Trailer Length



Oil System



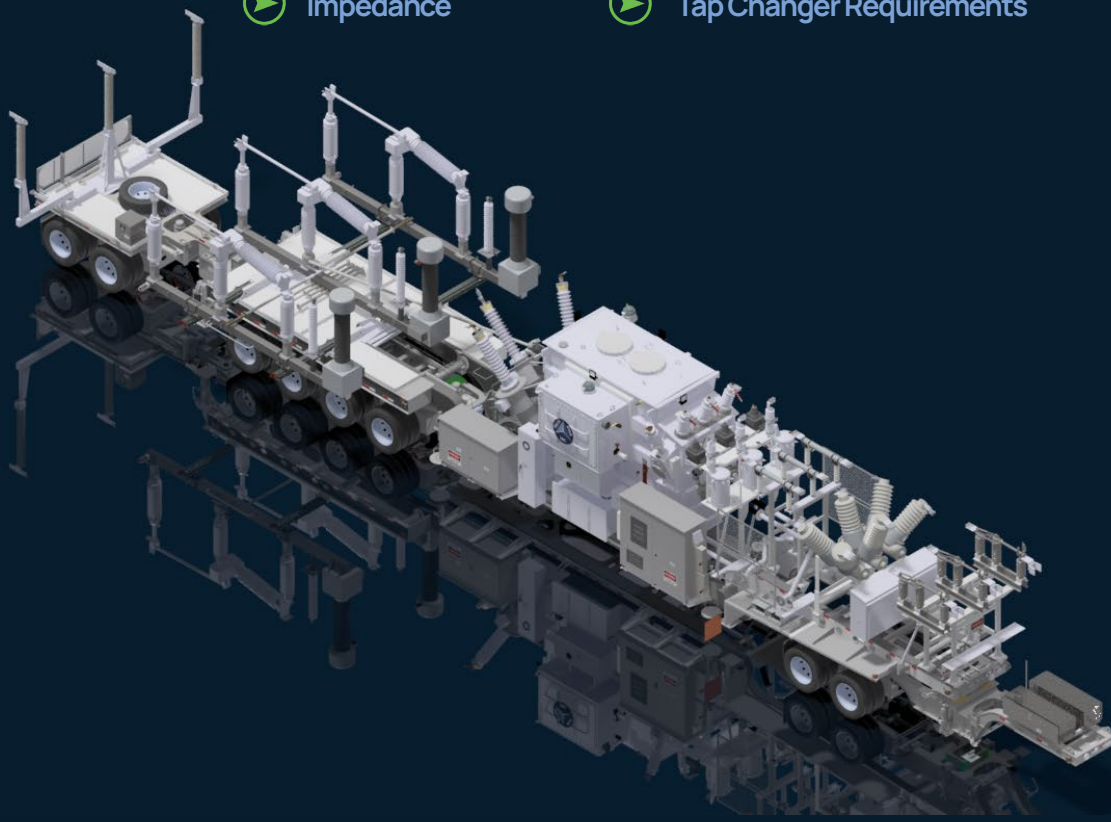
MVA



Impedance



Tap Changer Requirements



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# Scope & Capabilities

Delta Star is the only North American transformer manufacturer with the breadth of products to meet all your power needs. Below is a partial list of Delta Star capabilities. With more than 100 years in the power industry and over 40 years manufacturing mobile transformers, Delta Star has the engineering expertise to deliver a complexly critical product to fit any power substation application in the world.

MOBILE SUBSTATIONS	MVA (Top Rating)	HV kV	LV kV
Mobile Substations	< 100	25 - 345	2.4 - 69
Portable Substations	100	15 - 345	2.4 - 69

UNITIZED SUBSTATIONS	MVA (Top Rating)	HV kV	LV kV
Unitized Substations	2 - 100	15 - 345	2.4 - 69

POWER TRANSFORMERS	MVA (Top Rating)	HV kV	LV kV
Power Transformer w/o LTC	200	15 - 345	4 - 115
Power Transformer w/ LTC	170	15 - 345	4 - 115
Auto Transformer & TV w/o LTC	300	34.5 - 345	34.5 - 161
Auto Transformer & TV w/ LTC	250	34.5 - 345	34.5 - 161
Voltage Regulators	7	15 - 115	+/- 10-15% Regulation
Grounding Transformers	--	15 - 115	Custom Z% or I-fault
Generator Step-Up	Same as Type 1 & 2		

**Delta Star East**  
Lynchburg, Virginia  
ISO: 9001:2015

**Delta Star West**  
San Carlos, California  
ISO: 9001:2015

**Delta Star North**  
Saint-Jean-sur-Richelieu, Québec  
ISO: 9001:2015