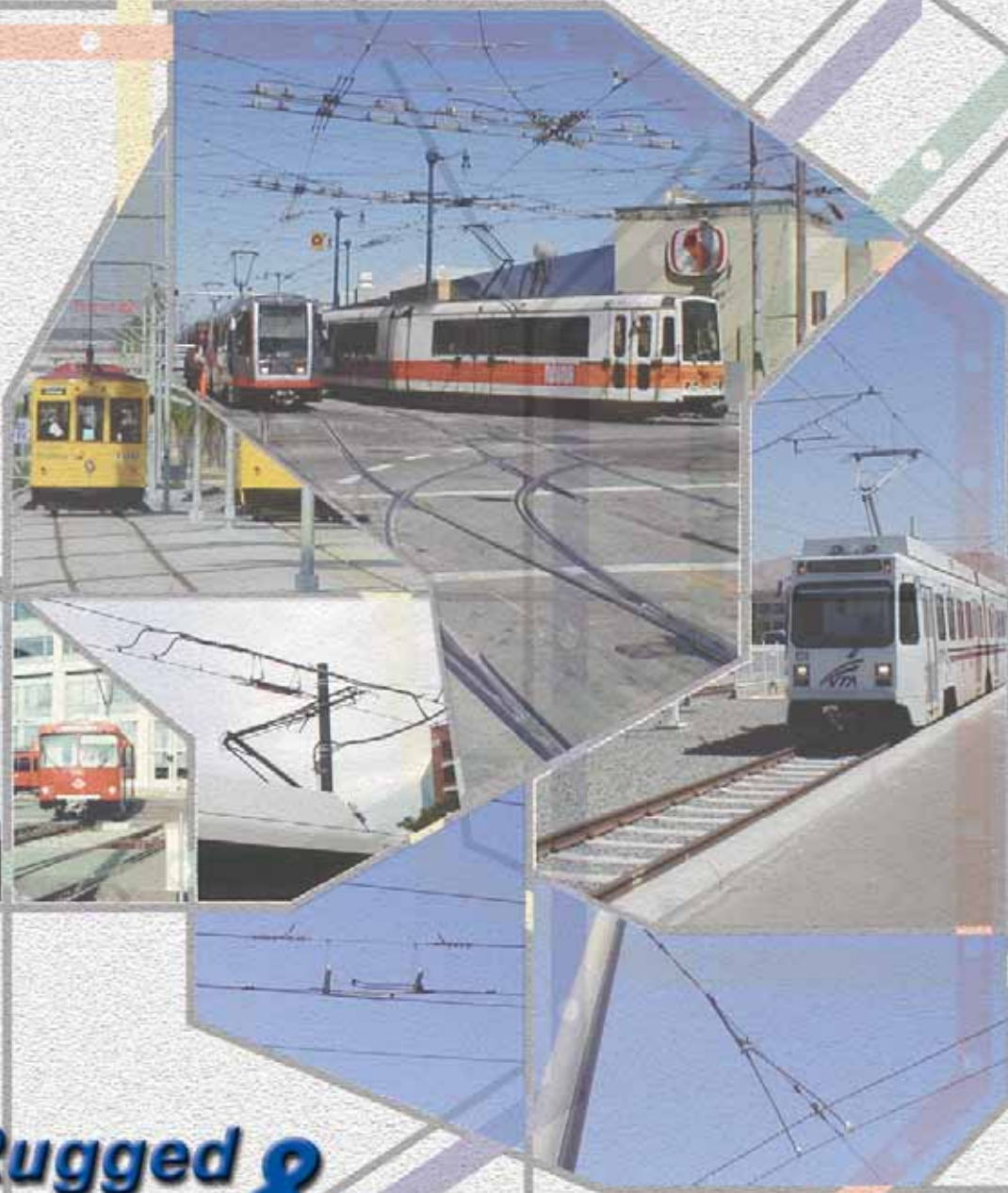
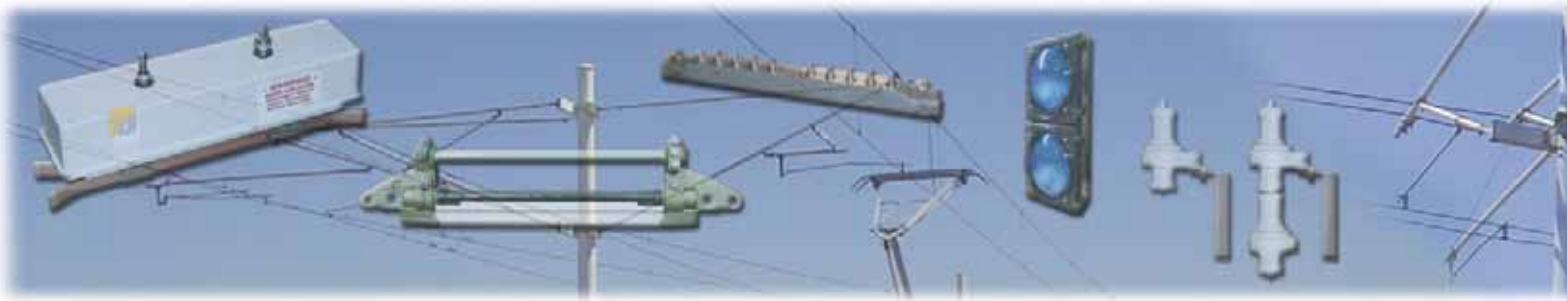


IMPulse NC, INC.

The Power to Keep People Moving™
Overhead Electrification Group



Rugged & versatile



Overhead Electrification Group

IMPulse NC, Inc. Overhead Electrification Group (OEG) is known as the industry-leading manufacturer and designer of today and yesterday's Overhead Electrification Systems. In December 1998, IMPulse NC, Inc. decided to complete its Traction Power and distribution systems with the addition of Overhead Electrification Components for a turnkey product. This was accomplished with the acquisition of UniTrac Systems in December 1998. Furthermore, in our efforts to remain the industry leader, IMPulse NC, Inc. OEG acquired the Ohio Brass (OB) product line from WABCO in March of 2000. These acquisitions allow IMPulse NC, Inc. OEG to provide to our customers a vast majority of the Overhead Electrification Systems known to the industry as Tourist Trolley Systems, Fixed Tension Simple Catenary Systems and Compound (Auto-Tensioning) Catenary Systems. With an accumulated product assortment and design knowledge history, our Overhead Electrification Systems have remained in service for over two centuries thus sustaining our industry leading status. IMPulse NC, Inc. OEG product lines are in service in virtually every North American Electrified Transit System operating today. Although proud of this statement, through quality and durability IMPulse NC, Inc. OEG also serves as the preferred supplier for numerous other Transit Systems around the world extending our products into South America, South Africa, New Zealand and Korea. IMPulse NC, Inc. OEG serves the following markets:

Electric Trolley Bus (ETB), Tourist Trolley Streetcars, Light Rail (LRT) and Commuter Railway

Overhead Contact System (OCS) OCS Component Catalog



In efforts to assist you in determining which OCS components will meet your needs, IMPulse NC, Inc. OEG offers our digital catalog for ease of availability and access no matter where you may be working. Due to the complexity and the quantity of the components in which IMPulse NC, Inc. OEG is able to provide, our catalog serves to introduce the most typical designs of this century as well as keeping you informed of new products and information as they are developed. The IMPulse NC, Inc. OEG/OCS Catalog will not only represent the technology available in today's construction techniques, but will also assist in determining components that meet your individual project needs. The IMPulse NC, Inc. OCS Component Catalog can be viewed at www.impulsenc.com.

Design Features

Quality

IMPulse NC, Inc. OEG remains an industry leader by passing on one of our best traits to our customers. Quality - remains a key part of all hardware and assemblies designed and manufactured by IMPulse NC, Inc. OEG. With high standards, experienced workers, quality materials and strict procedures IMPulse NC, Inc. OEG maintains not only our ISO 9000/9001 certification but offers a product matched by no other in this industry.

Fully Reliable

IMPulse NC, Inc. Overhead Electrification Components meet, and in most cases exceed, the application standards required for today's transit systems. This provides you with time proven, load tested and application certified products in order to assure reliability and safety regardless of your transit system needs.

Overhead Assemblies

Self-secure, high strength, and universal fit are standard features pioneered into all of our overhead assemblies.



Cantilever Arms

Many varieties of cantilever arms layouts are available for ETB, PCC and both In-Street and Mainline LRT applications.

Span Wire Assemblies

To further facilitate your overhead needs, in addition to specific overhead assemblies and cantilever arms, IMPulse NC, Inc. OEG offers span wire assemblies when conditions permit. These assemblies are utilized where cost effective, tight constraining, and decorative environments are preferred.



Custom Assemblies

Where possible, IMPulse NC, Inc. OEG has manufactured components for interchangeability with existing systems, while maintaining the highest quality standards. If the standard hardware assembly arrangements offered do not fit into a specific application, IMPulse NC, Inc. will develop, with the use of advanced 3 dimension solid modeling and strength analysis software, a safe and high quality product to meet your specific application needs.

IMPulse NC, INC.

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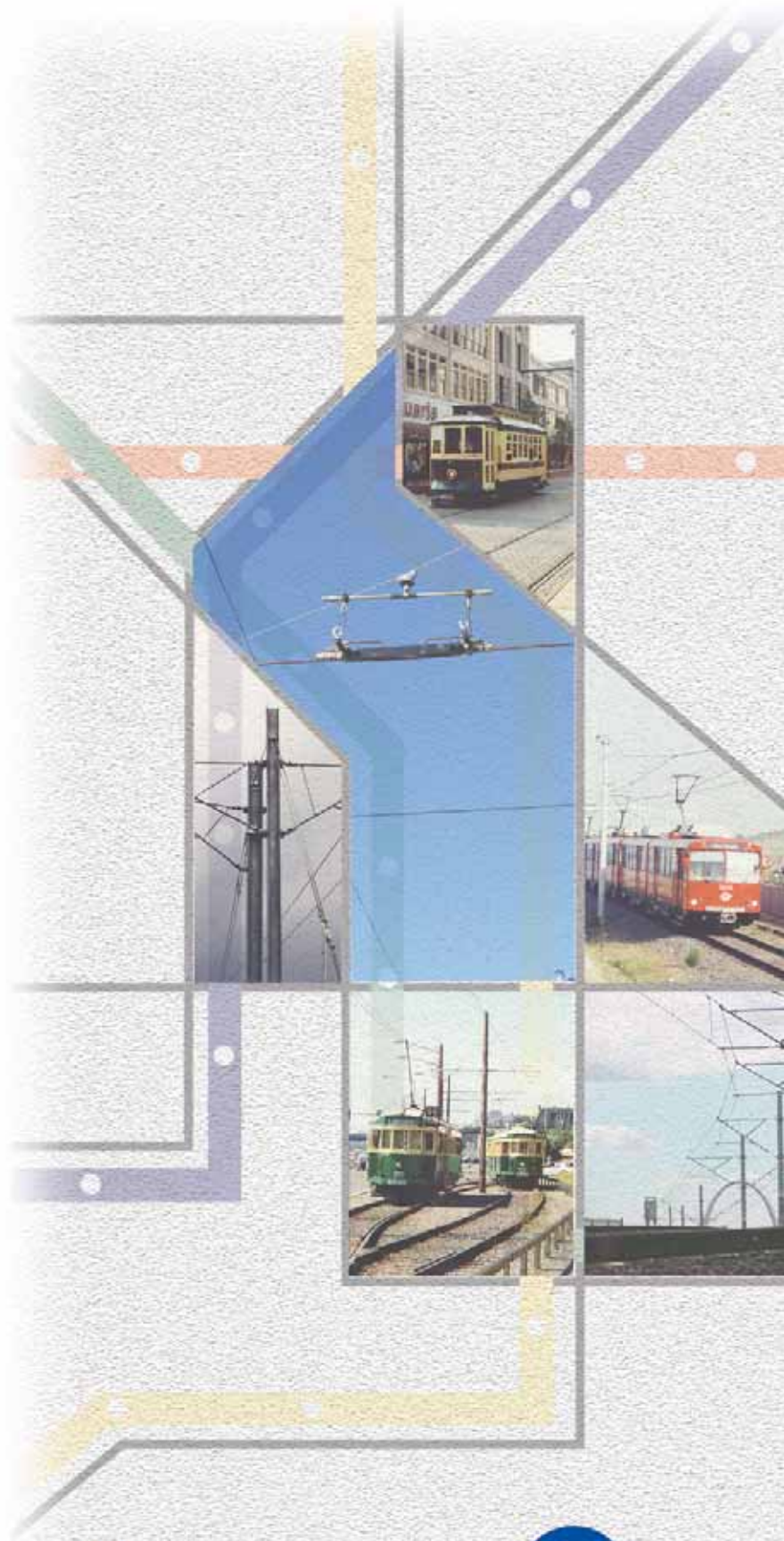
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A member of the Marmon Group of companies