

Laramore, Douglass and Popham

Laramore, Douglass and Popham (LDP) is a consulting engineering firm resulting from the merger of three firms which had independently established a considerable background in the engineering of utility, industrial, and institutional projects.

F.E. Laramore and F.S. Douglass established the consulting firm of Laramore and Douglass in Chicago in 1937. Recognizing the United States' rapidly expanding need for electric power, Laramore and Douglass built an impressive reputation in the design of rural transmission and distribution systems. As the development of rural roads was amplified, L&D (and later LDP) designed and supervised construction of numerous steam-electric stations to serve the burgeoning electric power requirements of the agricultural revolution. In small municipal communities, LDP modernized outdated distribution systems and designed steam, diesel and gas turbine stations to meet the substantial post-WWII need for electric power. Richard Popham formed R.R.

LDP's long history of client satisfaction and technological innovations has created a solid foundation for the professional engineering services we offer.

Popham Engineer, starting in New York under single ownership in 1949. This organization concentrated its activities in the electric power, refining and building service industries.

The three companies realized the benefits of offering a broader scope of services to

their clients. Thus, over the four-year span from 1954-58, the three firms were merged into the current corporation of Laramore, Douglass and Popham Inc.

Today, LDP continues to serve all segments of industry. A major portion of LDP's business comes from the industrial, utility, institutional and rapid transit segments of the market with emphasis on the expansion, modernization and rehabilitation of existing facilities. LDP is a privately held corporation.



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Laramore, Douglass and
Popham Consulting
Engineers

Professional Experience
Practical Solutions

Industrial Systems





Professional Experience, Practical Solutions

EXPERIENCE

LDP's staff of Industrial Systems personnel is experienced in planning, designing, and implementing a broad range of projects, including industrial power distribution, medium voltage drive applications, DC systems, backup power generation, combined heat and power systems, automation systems, operator interfaces, networks, and sensing systems. We utilize the latest technologies and design philosophies in all facets of our work.

The real benefits to your project lie in the strength of LDP's ability to tie together systems from different manufacturers. This allows the design and installation of the most economically efficient system and the capacity to integrate new technologies into existing systems.



For more information, contact:

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SERVICES

The Industrial Systems staff provide the following services:

- Selection, specification, and application of power distribution equipment including medium and high voltage substations to medium and low voltage switchgear
- Selection, specification, and application of variable frequency drives and motors as well as other AC and DC motor control systems
- Selection, specification, and configuration of various process control systems including PLC's, HMI's, process historians, data collection systems, as well as application of related sensing systems
- Selection, specification, and application of critical power systems including applying appropriate system redundancies to ensure power flow including battery and flywheel UPS systems
- Analysis of various electrical system studies including load flow, short circuit, coordination, motor starting, harmonic content, and power quality, as well as providing application/mitigation recommendations from the study results
- Analysis of power distribution application and electrical studies to assess arc flash capabilities, including mitigation

- Selection, specification, and application of Facility management and monitoring systems, including HVAC systems, emergency power systems, lighting systems, security and fire systems, boiler systems, and others
- Selection, specification, and application of power generation systems including diesel engine generators, combustion turbines, wind turbines, solar systems, and fuel cells



MEDIUM VOLTAGE POWER SYSTEMS

MEDIUM VOLTAGE MOTORS AND DRIVES

PROCESS CONTROL SYSTEMS

CRITICAL POWER SYSTEMS

ELECTRICAL SYSTEM STUDIES

ARC FLASH STUDIES

FACILITY MANAGEMENT & MONITORING SYSTEMS

POWER GENERATION

