



Joseph Newstrom, PE

Licensed Multi-Disciplinary Engineer & Executive focusing on Residential Elevators, Accessibility Lifts, and Related Technologies.

Professional Experience

Lift Engineering Associates, LLC

July 2010 - Present

Founder, Managing Partner

July 2010 - Present

- Provides licensed technical, safety code, and design analysis consultation within the accessibility & vertical transportation industries

Arrow Lift

July 2004 - Present

Vice President of Operations & Engineering

January 2017 – Present

- Responsible for all aspects of Operational Execution for Western US including Project Management, Installation, Customer Service, & Field Service

Director of Operations

April 2015 – December 2016

- Directed and oversaw Project Management, IT, Logistics, Engineering, and Field Technical staff

Engineering & IT Manager

February 2011 – March 2015

- Developed Engineering Program for Custom Projects & Legacy Equipment Upgrades/Modernization, including design, & deployment of equipment compatibility & compliance plans
- Developed cross-departmental internal Engineering Support processes (Sales, Installation, & Service)
- Direct technology upgrades & deployment for CRM, ERP, Communication & Mobile Solutions
- Primary point of contact for all Product Evaluation, Design, & Development

Service Technician/Service Manager/Electro-Mechanical Engineer

September 2007 – January 2011

- Identified compatible hardware & circuitry to enable upgrades for damaged or obsolete equipment
- Serviced accessibility lifts & private residence elevators throughout Minnesota, Wisconsin, and the Dakotas
- Trained service technicians in maintenance, repair, and diagnostics for accessibility
- Consulted on design of accessibility lifts & residential elevator systems for manufacturers

Installer/Project Manager/Electro-Mechanical Engineer-In-Training

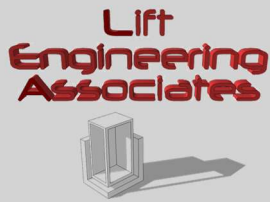
July 2004 – August 2007

- Installed accessibility lifts & private residence elevators throughout Minnesota, Wisconsin, and the Dakotas
- Interfaced with OEM Suppliers while providing technical and jurisdictional compliance support for products to be purchased & installed
- Managed the planning & installation of accessibility lift & private residence elevator projects
- Provided technical and safety code (ASME, NEC, IBC & State) consultation on a project-by-project basis
- Interfaced with OEM Suppliers to ensure compatibility between site-specific applications and the equipment provided

Education

Bachelor of Science, Mechanical Engineering (BSME) Gonzaga University

2000 – 2004



Safety Code Committee Participation

- **Member, A17.1 Private Residence Elevator Working Committee** **May 2012- Present**
A17.1 Safety Code for Elevators & Escalators
- Member, A17.1 LU/LA Elevator Working Committee **May 2012- Present**
A17.1 Safety Code for Elevators & Escalators
- Member, ASME A18.1 Safety Codes & Standards Committee **May 2012- Present**
ASME A18.1 Safety Standard for Platform Lifts and Stairway Chairlifts

Technical Licenses

Licensed Professional Engineer (#M40568)	State of California	2021 – Present
Certified Competent Conveyance Mechanic (#N18013)	State of California	2017 – Present
Certified Continuing Ed Instructor (Elevators & Lifts)	State of California	2022 – Present
Licensed Journey Level Elevator Mechanic (#P037191)	City of Los Angeles	2018 – Present
Licensed Professional Engineer (#48013)	State of Minnesota	2010 – Present
Licensed Master Elevator Constructor (#EM650306)	State of Minnesota	2012 – Present
Certified CE Instructor (Elevators & Lifts)	State of Minnesota	2016 – Present
Licensed Professional Engineer (#49376-6)	State of Wisconsin	2022 – Present
Licensed Master Electrician (#1091164)	State of Wisconsin	2012 – Present
Licensed Elevator Mechanic (#1091164)	State of Wisconsin	2010 – Present
Licensed Lift Mechanic (#1091164)	State of Wisconsin	2008 – Present

Professional Memberships

Accessibility Equipment Manufacturers Association (AEMA)	2008 – Present
<i>Member, AEMA Board of Directors</i>	<i>2011 – 2013</i>
National Association of Elevator Contractors	2005 – Present
American Society of Mechanical Engineers	2002 – Present
National Society of Professional Engineers	2006 – Present
California Accessibility Distributors Association (CADA)	2023 - Present
California Society of Professional Engineers (CSPE)	2023 - Present

Professional Interests

- Engineering Design, Prototyping, & Testing
- AutoCAD & Sketchup – 2D/3D Drafting
- Foreign Languages (multiple)
- Electrical Circuit Design & Analysis
- Finite Element Analysis
- Programming Languages (multiple)