

## e-Commissioning

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CONFIDENCE IN YOUR BUILDING PERFORMANCE

# Efficient. Responsive. Expert.

Our e-commissioning service provides off-site, closed-loop equipment test procedures that are fully implementable at a distance with remote system connectivity. This service is built on an extensive field test protocol library, assured to deliver value and precision as nimbly as possible.

#### Features of our service

- Functionally test HVAC heating, cooling, and fan control
- Functionally test refrigeration compressors, valves and condenser fans
- Review all programming, settings and setpoints against the basis of design, engineering and owner standard documentation
- Maintain and accelerate construction schedule
- Document and submit open items log for field corrective action
- Add value by increasing efficiency, saving operational costs, and avoiding early repair and maintenance costs

For assured remote commissioning, trust e2s

Contact [contactus@e2sllc.net](mailto:contactus@e2sllc.net) • 603.738.7000



## Commissioning

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# Dynamic Systems Testing

We are trusted to provide nationally certified, independent commissioning and functional testing services that ensure quality construction completion and maximum building performance. Our in-house team is renowned for its expertise and precision, giving confidence and value time after time.

#### Features of our service

- More than 50 million sq.ft commissioned, yielding:
  - 14% operational cost savings
  - 12% increase in system efficiency
  - 8% reduction in early R&M costs
- 400+ years of built environment MEP/R and BMS experience
- 20+ LEED Gold/Platinum CxA projects, Nationally BCA and ACG
- Certified PE and engineers on staff and in the field
- Nationwide footprint for client development program coverage
- End-goal driven commissioning:
  - Performance, verification of system and sequence operation
  - Build success that will satisfy clients' core business mission
- Realtime cloud-based reporting to speed contractor resolutions
- Open item tracking through completion/verification

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## Air and Water Balancing

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# Accurate system set-up and performance

We provide a coordinated, specialist in-house team with keen, real-world understanding of how large-scale commercial and industrial HVAC systems perform. Together we deliver the expertise and precision to ensure your systems are balanced to their optimum efficiency, increasing the productivity of your buildings.

#### Features of our service

- National reach for portfolio development programs
- NEBB nationally certified firm, professionals and technicians
- Services extend to kitchen, laboratory, urban and hydronic needs
- Independent mechanical system quality control
- Detailed documentation – Every diffuser and grille is located, and supply is set accurately
- Tangible results including:
  - Resolved building pressurization issues; prevent mold and other issues
  - Higher productivity with occupant and customer comfort
  - Eliminated post-warranty early R&M costs
- Even more powerful when combined with e2s commissioning

For confidence in your systems performance, trust e2s

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## Virtual Professional Network

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# Your expertise resource

Access our national network of in-house talent as an extension of your team, providing expert evaluation and problem solving services, tailored to your needs. We are trusted to give honest, impartial advice to help our clients and their buildings achieve a higher standard of performance.

#### Features of our service

- 400+ years of built environment MEP/R & BMS experience
- 20+ LEED Gold/Platinum CxA projects, Nationally BCA and ACG Certified Cx firm, PE and Engineers on staff and in the field
- Whole building evaluation for acquisition, renovation, and systems planning, including alternative energy and resiliency projects
- Turn-key project development and execution for:
  - *Energy upgrades and end of life*
  - *HVAC, refrigeration and control system renewals*
- Master capital planning and budgeting for systems
- Difficult building operational problem diagnosis and resolution

For a high value extension of building services, trust e2s

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## Covid-19 HVAC Shield

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# Protecting Your Occupants

We minimize the threat posed to building occupants by airborne infectious diseases like Covid-19 by ensuring proper ventilation and filtration are in place, thus reducing the risk of transmission through recirculated air. We have thoroughly researched CDC and ASHRAE guidelines and can advise you on applying the latest requirements across your building portfolio.

#### Features of our service

- National reach for building portfolio due diligence and action
- Team of seasoned engineers, PE and technicians
- NEBB/BCA/ACG Nationally Certified firm
- Specialty team with keen, real-world understanding of how large-scale commercial and industrial HVAC systems perform and should be evaluated and corrected to reduce the spread of infectious diseases
- Measure, verify and set fresh air intake to meet compliance standards
- Create filter requirement database for MERV-13 deployment
- Supply and fit Merv-13 filters across your portfolio
- Identify and resolve building pressurization issues
- Create occupant and customer comfort, safety, and confidence

**For driving safety into your building systems, trust e2s**

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## Turn-key Energy Upgrades

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# Yielding more for less

We specialize in improving the energy efficiency of buildings to achieve maximum productivity and cost-effectiveness. We have a long and consistent track record and are trusted to recommend and implement the most fitting turn-key solutions. We work to meet organizational energy goals, reduce annual energy expense, and ensure energy savings delivered are sustained.

#### Features of our service

- 400+ years of built environment MEP/R & BMS experience
- Trusted team of advisors and project coordinators to manage, deploy and execute large scale multi-site upgrades
- Strong Quality Control with Engineers/Certified CxA and TAB in house
- Equipment right-sizing and selection, saving 5-10% of capacity
  - *Full Lighting Upgrades and Retrofits*
  - *Adding Doors to Cases*
  - *Recommissioning*
  - *Building Automation/Control System Upgrades*
  - *Rack, Case and Condenser upgrades*
  - *HVAC/RTU/Critical Systems Upgrades*
- Typical project paybacks between 2-5 years
- ROI of 20% and higher (in some cases more than 50% working with utilities)

**For better returns from your buildings, trust e2s**

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## Critical Infrastructure Renewal

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# High quality. On time. On budget.

We are trusted to implement the upgrading or replacement of critical infrastructure assets using a data-driven approach that matches systems selection accurately to operational need. We add efficiency and value, underpinned by extensive experience and tried and tested methodology.

#### Features of our service

- 400+ years of built environment MEP/R & BMS experience
- Attaining the goal of delivering projects on time on budget with high quality
- Strong Quality Control with Engineers/Certified CxA and TAB in house
- Development of value-centric, scalable equipment renewal programs
- Turn-key project development, engineering and execution for:
  - *End-of-life replacement of HVAC RTU / AHU / MUA / EF*
  - *End-of-life replacement of refrigeration racks & condensers*
  - *Control replacements / upgrades*
  - *Lighting replacement / upgrades*

**For confidence in your infrastructure  
renewal, trust e2s**

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## Building Lifecycle Solutions

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## Efficient from day one

Holistic approach to MEP/R systems, from initial site evaluations through commissioning, operations and maintenance, to upgrades and renewals. Our solutions and services deliver operational efficiency, enhanced building performance and long-term value.

**For efficient lifecycle solutions, trust e2s**

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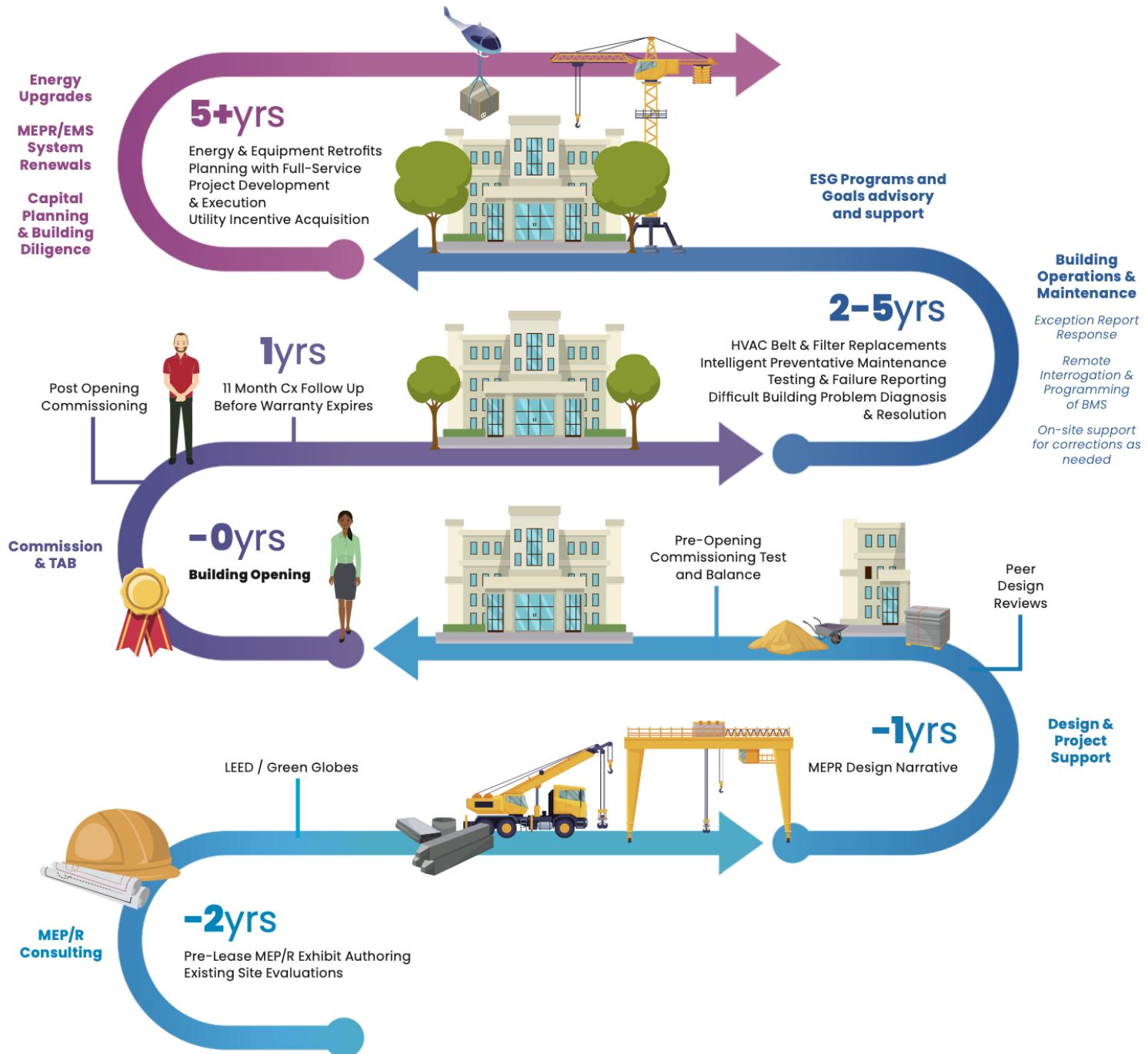


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