



GREENFUMEHOOD

FILTRATION TECHNOLOGY

<https://www.erlab.com/en/erlab-greenfumehood-3-technology/>



PROJECT
PROFILE
PORTFOLIO

&
Partial
Client
Listing



Ease of swing space

Projected 20-year net present savings of + \$4 million.

Filtered fume hoods underpin Wellesley College's goal of Carbon Neutrality by 2040.

(39) Filtered fume hoods save >25,000 CFM of make-up air.

PROJECT PROFILE

WELLESLEY COLLEGE

Type:
Renovation,
New Construction,
Swing Space

Location:
Wellesley, MA

Filtered Fume
Hoods:
(39) Labconco hoods
featuring Erlab's
GreenFumeHood
Technology

Statistics:
213,000 Square Feet

Architect:
Skidmore, Owings &
Merrill

Engineer:
BR+A Consulting
Engineers



PROJECT PROFILE

UNIVERSITY OF ROCHESTER

Organic Chemistry Lab

Type:
Renovation

Location:
Rochester, NY

Filtered Fume Hoods:
(13) Air Master System
Hoods featuring Erlab's
GreenFumeHood
filtration technology.

Statistics:
2,400 SqFt

Architect: In-House

Contractor:
DGA Builders

OpEx savings: \$136,100 / year

NYSERDA rebate: \$36,000

Electricity Savings: 32, 727kWh/Yr

Fuel Savings: 8,233 Therms/Yr



Photo Credit: Ellenzeig



25-30% reduction in HVAC load on existing building systems.

Eight (8) filtered fume hoods save approximately 100,000 kWh and \$12,000 annually.

Filtered fume hoods accommodate low floor-to-floor height.

PROJECT PROFILE

MARYWOOD UNIVERSITY

Organic Chemistry Lab - 2012
General Chemistry Lab - 2019

Type:
Gut Renovation

Location:
Scranton, PA

Filtered Fume Hoods:
(8) Hamilton hoods, 2012, (10) Labconco hoods, 2019

Statistics:
2,200 Sq. Ft. 2012
1,500 Sq. Ft. 2019

Architect:
Ellenzeig

Engineer:
MEP Engineering



PROJECT PROFILE

CONFIDENTIAL
R & D LAB

Type:
New Construction

Location:
Akron, OH

Filtered Fume
Hoods:
(11) Thermo Scientific
hoods featuring
Erlab's GreenFume-
Hood Technology

Statistics:
Square footage:
265,000

Architect:
SoL Harris/Day

LEED Gold Certification

\$385,000 net operational
cost savings (over the first
10 years)



LEED Platinum Certified

AIA COTE Top 10 2021

73% Reduction in energy use
compared to 2030 baseline

PROJECT PROFILE

LAFAYETTE
COLLEGE

Rockwell Integrated
Science Center-
Biology and
Environmental
Science Labs

Type:
New Construction

Location:
Easton, PA

Filtered Fume Hoods:
(11) Labconco Protector
Echo hoods featuring
ErLab's GreenFumeHood
Technology

Statistics:
103,000 GSF

Architect: Payette

Engineer:
BR+A Engineers



Reduced mechanical systems size
by 25%

\$330,000 net CapEx savings

\$24,500 annual net OpEx savings

PROJECT PROFILE

FRAMINGHAM STATE UNIVERSITY

Organic, Inorganic,
General, & Physical
Labs

Type:
New Construction

Location:
Framingham, MA

Filtered Fume
Hoods:
(49) Air Master System
hoods featuring Erlab's
GreenFumeHood
Technology

Statistics:
68,000 GSF

Architect:
Ellenzweig

Engineer:
BR+A Consulting
Engineers



42% increase in student enrollment in chemistry program

\$50,000+ annual operating cost savings

\$66,000 net construction cost savings (10% reduction)

3 month (27%) reduction in project timeline

PROJECT PROFILE

BUTLER UNIVERSITY
(4) Chemistry Labs

Type:
Gut Renovation 2011

Location:
Indianapolis, IN

Filtered Fume Hoods:
(30) Air Master System Hoods featuring Erlab's GreenFumeHood filtration technology.

(12) Captair 392 SMART ductless fume hoods

(1) HALO Laboratory Filtration System

Statistics:
14,500 SqFt

Architect & Engineers:
BSA LifeStructures



PROJECT PROFILE

BRISTOL
COMMUNITY
COLLEGE

Type:
New Construction

Location:
Fall River, MA

Filtered Fume
Hoods:
(13) Air Master System
hoods featuring Erlab's
GreenFumeHood
Technology

Statistics:
50,600 GSF

Architect:
Sasaki Associates

Engineer:
BR+A Consulting
Engineers

ZNE: -13 EUI (Positive Net Energy)
Certified ZNE by NBI
LEED Platinum Certified
AIA COTE Top 10

Erlab France & Erlab USA

- Work with several OEM partners
- OEM partners integrate the GFH technology into their own enclosures
- Keep their own fume hood design



and many more...

Erlab China

- Produce complete GreenFumeHoods for you to sell on your markets
- Two models available:



GFH 5300



GFH 6400

GREENFUMEHOOD Partial Client List

Abbvie	Clemson Univ.	Keurig Dr Pepper	Perdue Agribusiness	Tusculum College
Adventist University Health Sciences	Columbia Univ.	Koppert Biological	PetroStrat	Univ. of California
AirBorn Interconnect	Community College of Philadelphia	Krystal Biotech	Pfizer	Univ. of Chicago
Albermarle Corporation	Cornell Equine Drug Lab	Lafayette College	Precision Biosciences	Univ. of Florida
Amazon	Covidien	L'Oreal - Maybelline	Rock Valley College	Univ. of Kentucky
Amway	CUNY	L'Oreal - R&D	Rocky Mountain College	Univ. of Maryland
Antioch College	Daimler NA	Lonza Biologics	Royal Canin	Univ. of Miami
Appalachian State Univ.	DFW Airport Police	Los Alamos National Laboratory	Saint-Gobain	Univ. of Michigan
ARS International, LLC	Dorf Ketal Chemicals	Louisiana State Univ.	Sanofi Pasteur	Univ. of Montana
Astex Pharma	Duke University	Manindra Group USA	Sartorius Stedim Biotech	Univ. of Nebraska
Auburn University	DuPont	Marietta College	Savannah River National Lab	Univ. of New Hampshire
Avedo	EMD Millipore	Marywood University	SEED School of Maryland	Univ. of Oklahoma HSC
Babbitt School	Evonik Oil Additives	Massachusetts Inst. of Technology	SEI Industries	Univ. of Oregon
Ball Beverage Packing	Facebook	McMaster University	Selleck Chemicals	Univ. of Rochester
Battelle Memorial Institute	Fairfax County Mobile Crime Lab	Medtronic	Siemens Healthineers	Univ. of Texas
Bayer Healthcare	FBI - Quantico	Merck Animal Health	Siena College	Univ. of Toronto
Bechtel	Federal Occupational Health	Methodist Univ. Hospital	Sierra Nevada Corp	Univ. of Waterloo
Blue Origin	Firmenich, Inc.	Metropolitan State Univ.	Simpson Gumpertz	Univ. of California-Davis
Boston Analytical	Framingham State Univ.	Midwestern University	South Texas College	US Army Corps of Engs.
Boston VA Medical Ctr.	Fresenius Medical Care	Morgan School	Southern Illinois Univ	US Customs and Border Protection
Bowdoin College	GAF	Motiva Enterprises	SRS MOX	USGS Great Lakes Science Ctr.
Bridgestone Tech. Ctr.	GlaxoSmithKline	Murray State College	St. Cloud State Univ.	Utica College
Bristol Comm. College	Google	NantBioscience, Inc.	St. Joseph's College	Valero Energy Corp
Broward College	Grande Prairie Regional College	National Univ. College	St. Louis Co. School	Vanderbilt University
Butler University	College	Naval Station Norfolk	St. Norbert College	Virginia Commonwealth Univ.
California Baptist Univ.	Granges Americas	North Carolina A&T State Univ.	St. Olaf College	Virginia Wesleyan College
Cambridge College	Harvard University	Northern Arizona Univ.	Stark State College	VW of America
Campbell University	Hollins University	Northrop Grumman	Steuben Foods	W.L. Gore
Cargill, Inc	Holy Family University	Oakley, Inc.	Stevens Inst. Of Technology	Washington State Univ.
Carleton College	Huvepharma	Oculus - Facebook	SUNY	Washington Univ.
Centers for Disease Control and Prevention	Hydro-Quebec	Ohio Dept. of Agriculture	Tarsus Pharmaceuticals	Waters Corp.
Charles River Labs	Hyundai	OPC Polymers	Texas A&M - Vet Med	Wellesley College
Chemtura - LANXESS	Immunovaccine	Osram	Texas A&M University	Xavier Univ.
Children's Hospital of Los Angeles	Indigo Agriculture	Owens Corning	The Hill School	Yukon College
Children's Hosp. of Philadelphia	Invitro Cell Research	Pace Analytical	Thermo Fisher Scientific	
	Ivy Tech Comm. College	Paragon Bioservices	TN State University	
	Jackson Memorial Hosp.	Paralex International	Toronto General Hospital	
		Paul Smith's College	Total Petrochemical	