



University of Idaho

College of Engineering

LAB UPGRADES AND RENOVATIONS

ENERGY SYSTEMS LAB

Hosted by Joe Law

*Chair, Department of Electrical and Computer
Engineering*

ENERGY SYSTEMS LAB

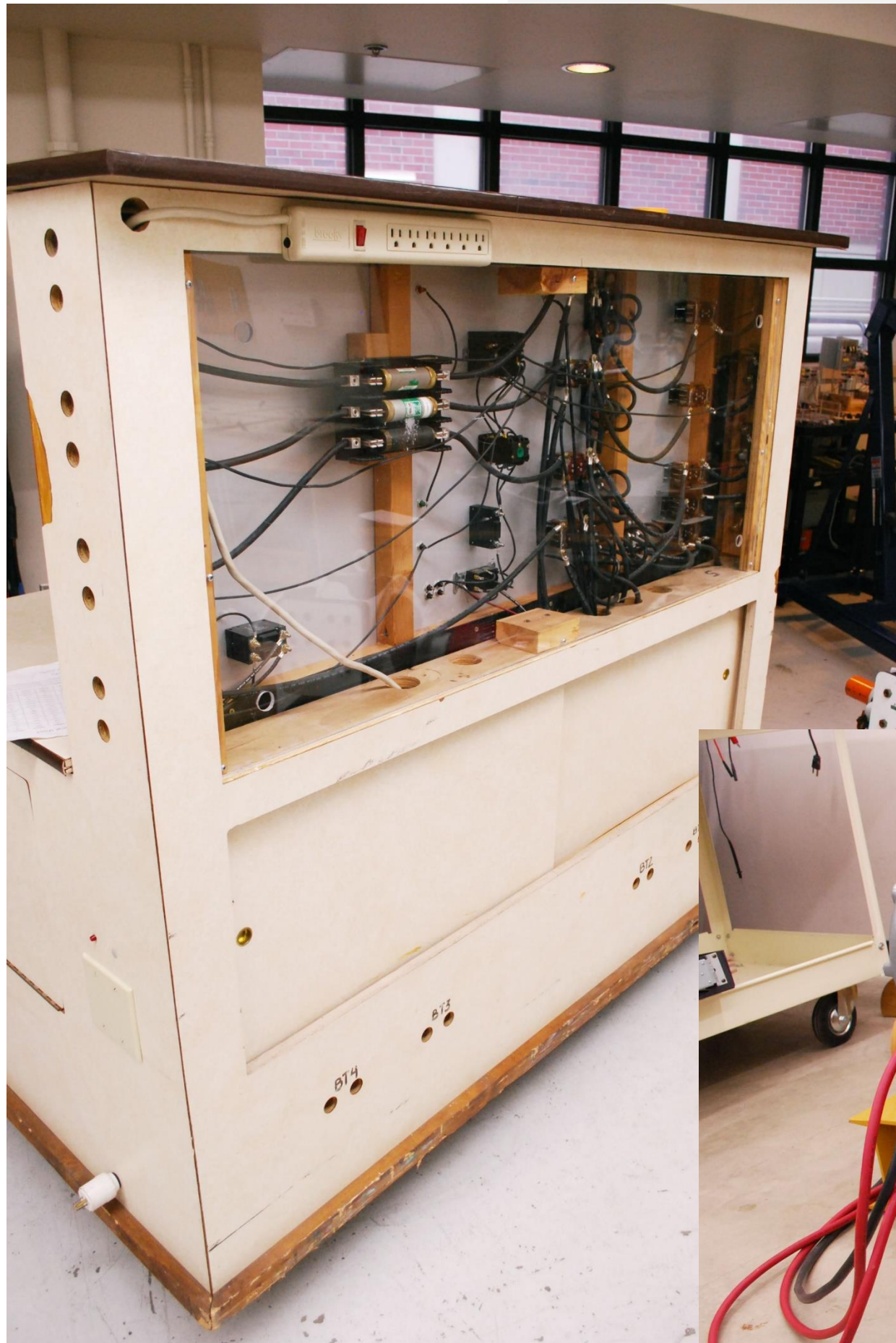
ABOUT THE CURRENT SPACE



- I** Last significant upgrade 2001
- I** AC and DC electrical machines, transformers, DC power supplies, AC inverters, and instrumentation.

ENERGY SYSTEMS LAB

ABOUT THE CURRENT SPACE



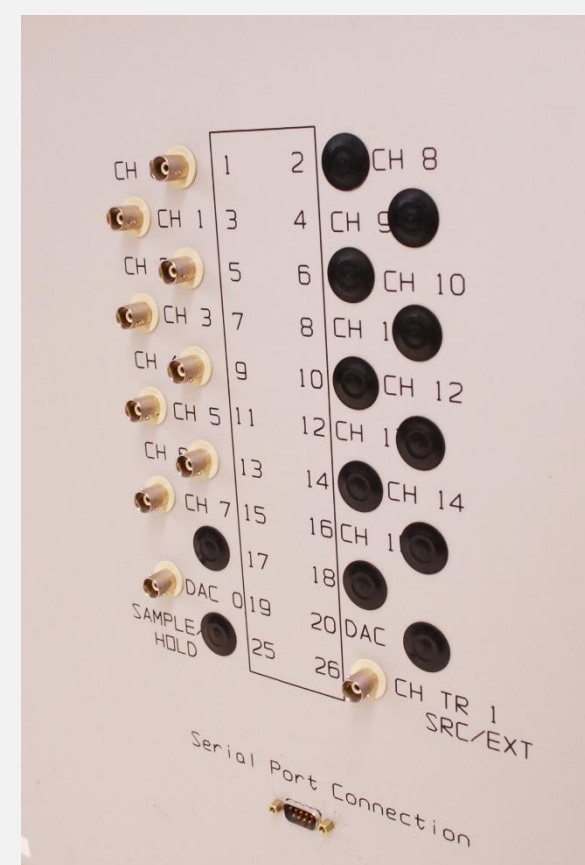
- I Students learn to work safely with power equipment, connect instrumentation, and take measurements.
- I Operating power equipment and observing performance of physical hardware is a critical component of education.

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RENOVATION MOTIVATION



- I Safety** - New power cables and receptacles
- I Meet Standards of Industry Practice** - Update 70-year-old instrument tables and data acquisition systems
- I Ease of Use** - New high-voltage and current power supplies help students learn



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STUDENT EXPERIENCE IMPACT



- I Safer laboratory experience
- I Elevating the junior- and senior-level hands-on experience
- I Students gain experience using similar equipment they'll work with on the job
- I Improve recruitment efforts for students interested in power engineering



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SPECIFIC NEEDS

I New power cables and receptacles – safety & ease of use	\$30K
I New instrumentation tables – current ones > 70 yrs. old	\$15K
I Data Acquisition Systems –reflect current industry practice	\$16K
I Floor painted – more positive atmosphere	\$3K
I New instrumentation - reflect current industry practice	\$28K
I High voltage and current power supplies – ease of use	\$12K

Total - \$104K

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YOUR SUPPORT MAKES THE DIFFERENCE



Fundraising goals are being met through:

- I** Idaho Power and Avista Endowment - \$33K
- I** Joe Law Startup - \$18K
- I** Previous ECE Department Gifts - \$3K
- I** New Gifts
- I** Matching Gifts

LEARN HOW YOU CAN HELP

For more information on ways to support this effort, contact **Bobbi Hughes**,

Executive Director of Advancement, at [***bhughes@uidaho.edu***](mailto:bhughes@uidaho.edu).

