Johns Hopkins Engineering and Baltimore Gas & Electric Co.: documenting a successful long term collaboration

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Abstract
JHU mechanical engineering has a long-term relationship with many companies in the Baltimore area. Baltimore Gas & Electric Co (BGE) is one of them and has supported 12 projects since 1990. The projects usually have a team of three or four Seniors, an industry mentor and brief, and funding of about $12-$15k. The students get to take the role of "being the engineers" including managing finance, time, standards, design, working with tradespeople and graduate engineers, and commissioning an advanced prototype. The longevity of this relationship shows that both sides are doing something right and we would like to both celebrate that and explore it. One key ingredient is that some of the participants on the BGE side were themselves Seniors in the same exact program, and therefore have a clear idea of both the value of the educational experience and also about the detail of how to make it work. Being a Baltimore based company, it is essential for BGE to develop its local pipeline of engineering talent as well as show a strong presence in the community. Through this partnership with JHU, BGE is able to accomplish these goals while exploring innovative solutions to improve industry tools and processes.

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