

Title

“From Super-Sized to Right-Sized”

Course Description The client and project referenced here is confidential.

At only 277 square miles with 5.5 million people, this tiny country does not have an abundance of land. For comparison's sake, Kansas City is 319 square miles with a half of million people. Building up is the only viable option. This client is looking to consolidate and integrate four scientific functions into a new high-rise facility. The client handed us a recently completed space program, the client thought they knew exactly how much space they needed to create a modern home that would capture efficiencies and help recruit and retain the best staff. After studying the 800,000-sf original program, Crime Lab Design, HERA's forensic arm in conjunction with Harley Ellis Devereaux, quickly discovered efficiencies in the design that saved the client significant square footage and cost. Starting with a rigorous program validation and Lean Six Sigma process, the ultimate program came in at 675,112 square feet, reducing the building size by 130,000 square feet. In addition to right-sizing the program, the building is being designed to meet Building and Construction Authority's Green Mark certification and includes enough elevated green space to offset the building's footprint.

MY BIO

Ken Mohr, Assoc. AIA

A nationally-recognized expert on laboratory design with a specialty in forensic labs and R&D, Ken Mohr serves as principal of HERA laboratory planners and its forensic arm Crime Lab Design. Ken has 30 years of programming and planning expertise focused on research and highly technical laboratories for clients around the globe. He has collaborated with numerous forensic, government, university, corporate and healthcare clients collecting years of lessons learned from specialty laboratory projects. Ken has authored special guideline publications for laboratory design, has published numerous articles and led webinar discussions to help educate others. As a veteran speaker of conferences and workshops, Ken most recently presented at the 2019 AIA National Conference about how robotics, simulators and automation can influence a building's design and operational functionality.