HEEDS Introductory Training (Day 1)

Discover Better Designs, *Faster*

You've chosen the most powerful design exploration software available, and we want to ensure that you get the maximum value from your investment.

General Training Sessions

We offer general group training sessions that are open to anyone who would like HEEDS® training. These sessions are taught at one of our local offices or onsite at your facility. Enjoy small class sizes and individualized attention from our expert trainers.
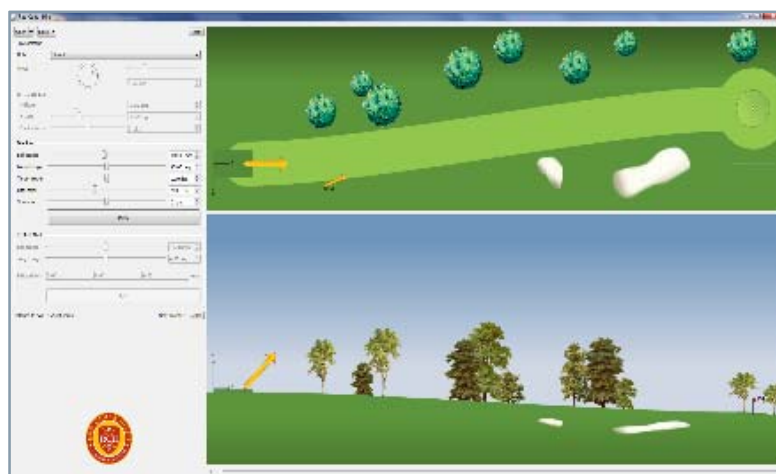
HEEDS Introductory Training

HEEDS Introductory Training provides a basic introduction to using HEEDS for design exploration studies. You will learn how to set up, run, and view the results from a general HEEDS study.

Course Layout

The course layout will be given as a mix of lectures followed by exercises. Each exercise will conclude with discussion and a quiz.

We will begin with Learning Objectives then jump into a fun Golf Shot Challenge exercise.

INTRODUCTORY COURSE AGENDA

- Optimization Strategies and Observations
- Introduction to Process Automation and Multi-Disciplinary Optimization (MDO)
- Batch Execution of an Analysis Model
- Visualization and Intuition
- Defining an Optimization Problem
- Searching for Optimal Solutions
- Optimization
- File and Directory Structure During a HEEDS Study
- Monitoring and Post-Processing a Design Study
- Objectives, Constraints and Performance
- Design Variables
- Optimization Search Path
- Evaluations and Restart
- Multi-Objective Optimization