

Big Egg Design Project ó ECS 1200, Fall 2011

Call for design proposals

The Egg Growers & Gathers Syndicate (EGGS) is looking to replace its current egg collection system with a state-of-the-art egg-o-matic system. Requirements are:

- 1) Total Cost of Cluck-er-ship (TCC) must be less than current technology. (Current technology makes use of two guys and a pig brought in from the *Republic of Elbonia*. Try feeding a pig for a week.)
- 2) The system must be able to lay a fresh egg safely into a standard egg carton. Standard horizontal distance between the nest and the carton is 1.0 meter. (Vertical distance is up to designer.)
- 3) The System must have a minimum of 5 steps and maximum of 10 steps ó designs outside of these limits will start the hens-a-clucking, and nobody wants that much noise.
- 4) Some of our hens have advanced degrees. Thus to confuse their teeny birdbrains, the system must make use of at least two engineering and/or computer fields.
(Chemical & Nuclear engineering fields are allowed only with prior approval of EGGS. Genetic Engineering is not allowed without prior approval of the FDA and the Frito-Lays Corporation.)
- 5) Final proposal must contain complete design specifications, including hen placement.
- 6) Prototypes will be presented and evaluated Dec 6 & 8 (ordering will be by prior random drawing). The final "showdown" between preliminary competition winners will be on Dec 9 or 10, exact date and time TBD.

Awards will be based on: Getting the egg in the carton, Creativity in design, Lowest TCC, professionalism in the presentation, professionalism in the report. More details will be forthcoming prior to the design competition (including reporting requirements and report formats).

For more information, contact Barnaby Jones, CEO, MBA, JD, Esq, BBC, NBC, CNN (AKA THE Pointy Haired Guy).

Note: You are encouraged to have fun and make lots of tongue-in-cheek comments. (Do keep them clean – We might have outside judges!)