```
battery capacity \geq total power \times endurance,
                                                                     (0.1)
 total power = actuation power + extra power,
      weight = total mass \times gravity,
actuation lift \geq weight,
   labor cost = cost per replacement \times battery maintenance,
    total cost = battery cost + actuation cost + labor cost,
   total mass = battery mass + actuation mass + payload.
```