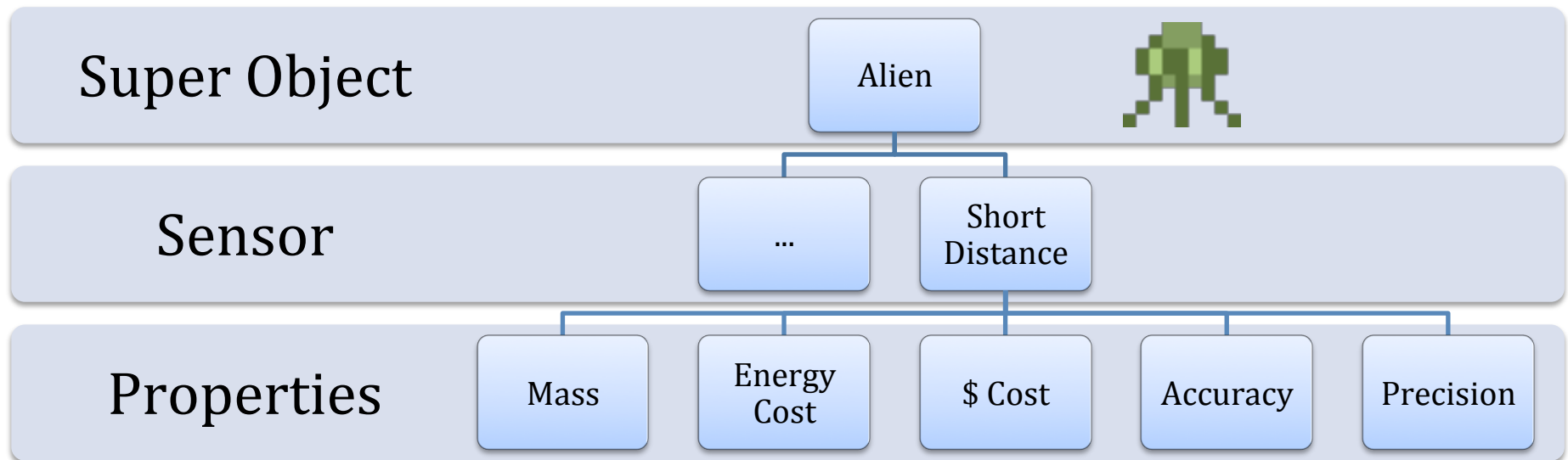


Short Distance Sensor Object Diagram

A Short Distance Sensor allows an Alien to determine if they are a long distance (<25% of overall distance) from the goal area.



- **Mass:** number used to calculate the overall mass of the Alien. Used when calculating speed of Alien.
- **Energy Cost:** number that indicates how much of the battery this uses each time the Alien moves.
- **\$ Cost:** positive integer used to calculate the overall cost of the Alien.
- **Accuracy:** A number that helps determine how close to detected Sensor value will be to the actual value.
- **Precision:** A number that helps determine the range of values returned by the Sensor (precision) for a given value.