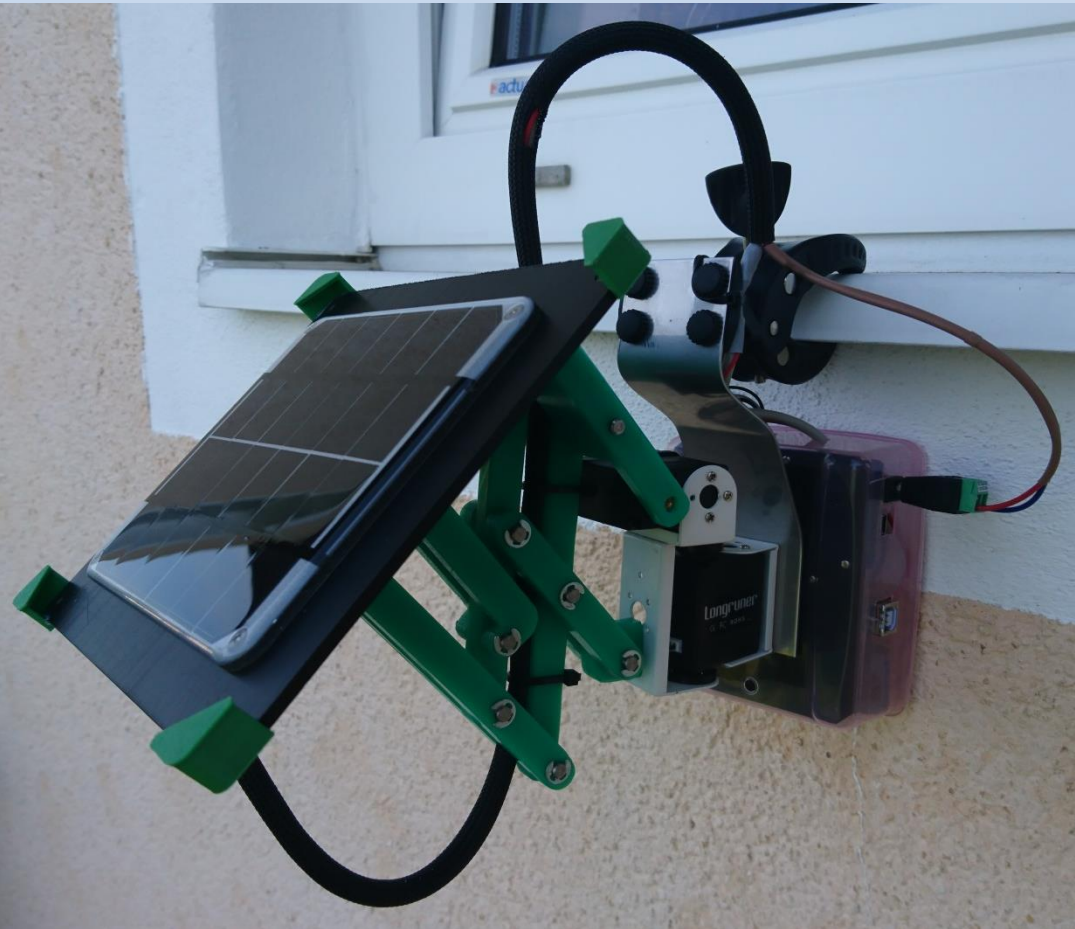
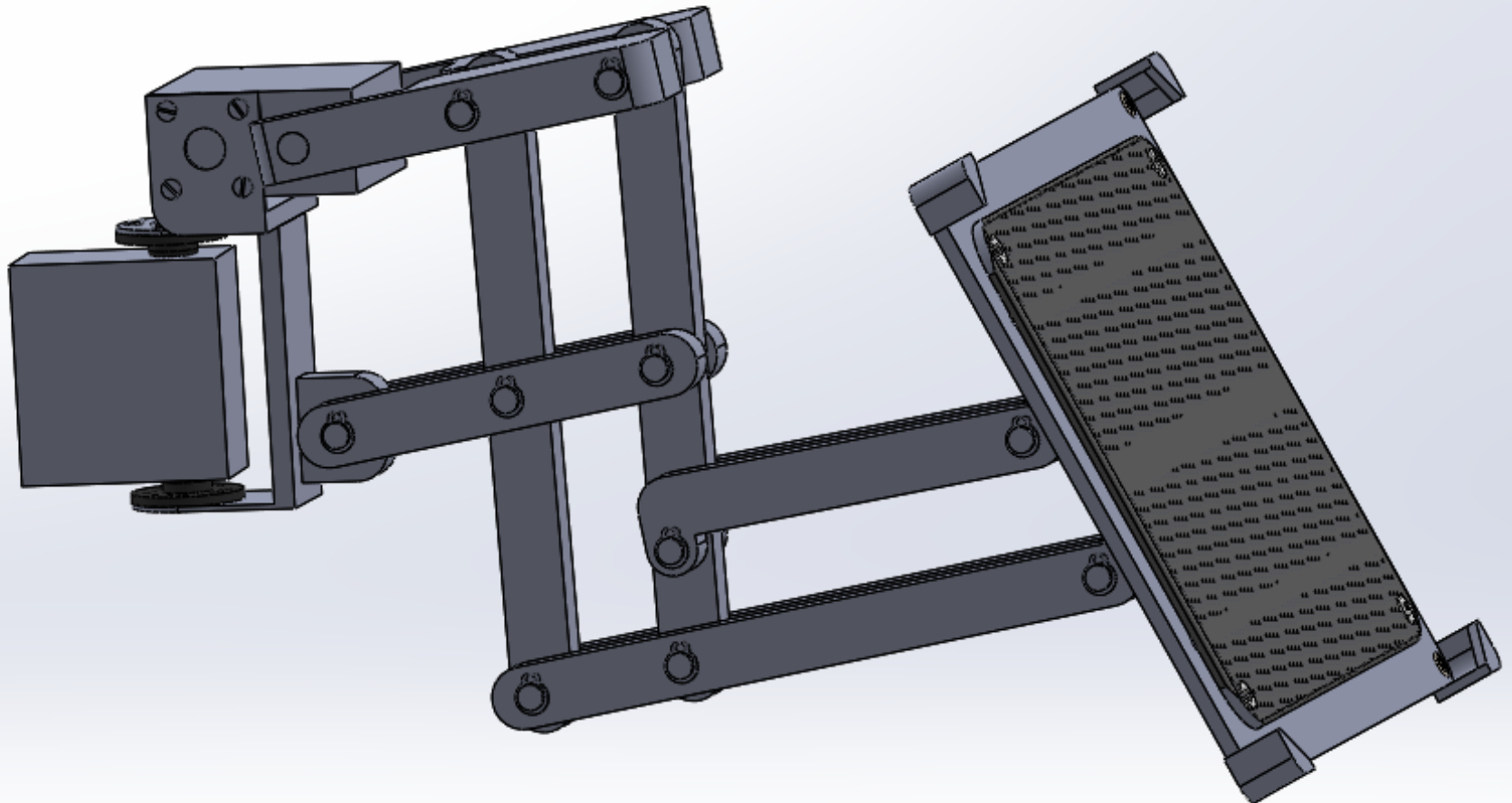
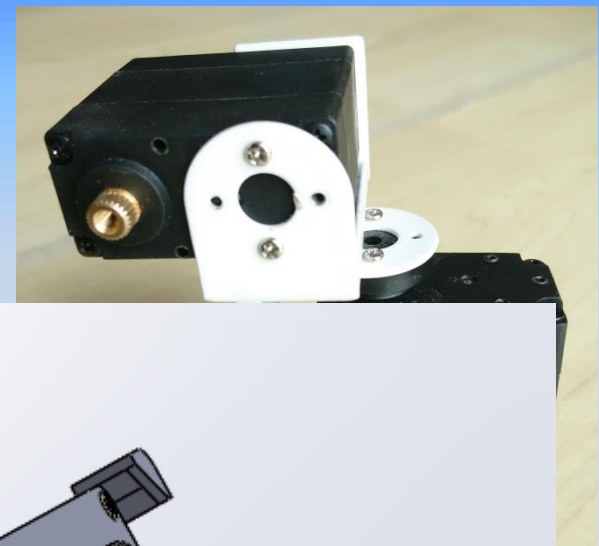


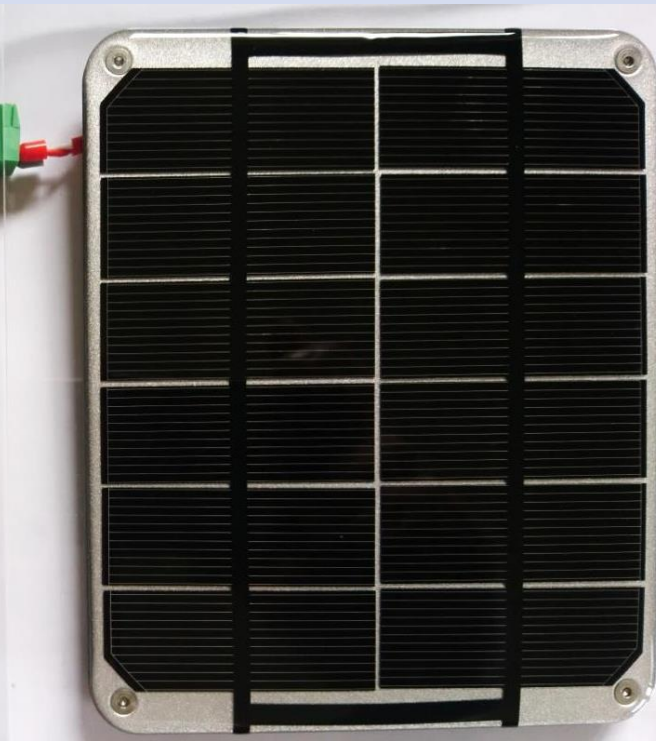
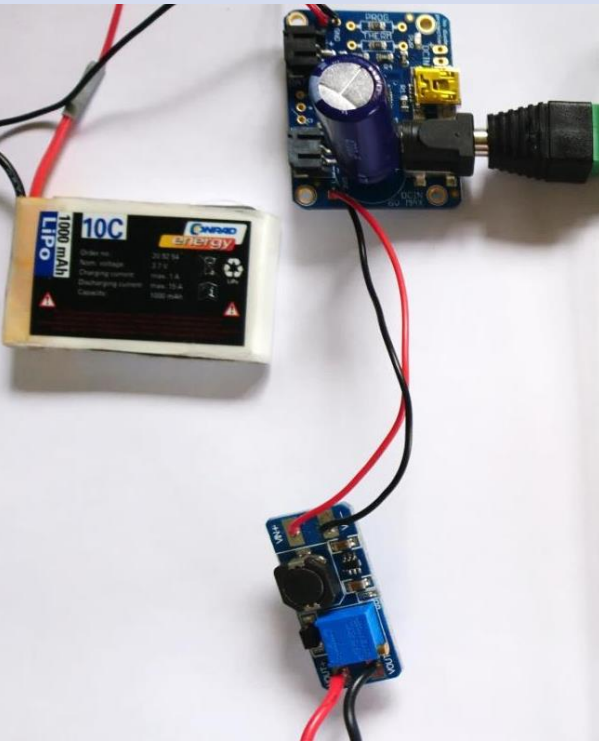
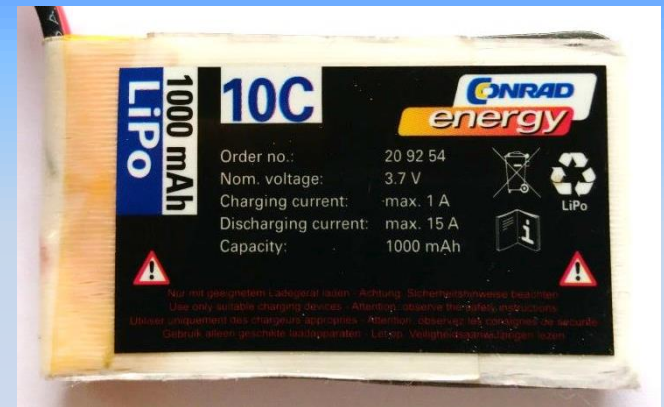
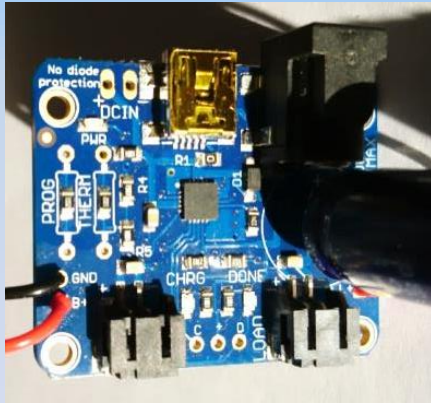
# Sun Tracking System



# Sun Tracking System



# Sun Tracking System



# Sun Tracking System

```
void loop() {
  /* Werte werden im Analogen Modus eingelesen */
  top_left = analogRead(LDR_top_left);
  top_right = analogRead(LDR_top_right);
  bottom_left = analogRead(LDR_bottom_left);
  bottom_right = analogRead(LDR_bottom_right);

  /* Berechnung der Mittelwerte für vertikale Positionierung */
  average_top = (top_left + top_right) / 2;
  average_bottom = (bottom_left + bottom_right) / 2;
  /* Berechnung der Mittelwerte für horizontale Positionierung */
  average_left = (top_left + bottom_left) / 2;
  average_right = (top_right + bottom_right) / 2;

  /* Bestimmung der Differenz vertikal */
  difference_vertical = average_top - average_bottom;
  /* Bestimmung der Differenz horizontal */
  difference_horizontal = average_left - average_right;
}
```

