



SGM®

G-Dancer

"Tiny dancer"

Title paper

Project

Battery powered moving head for the Event and Entertainment Business

Theme

Advanced electronic product design

Who?

René Petersen

Where?

Aalborg Universitet,
Institut for Architecture, Design og Mediatechnology

What?

4MA ID spring 2013
1. february 2013 - 22 may 2013

Involved

Supervisor

Associate Professor: Kaare Riise Eriksen

Collaborators

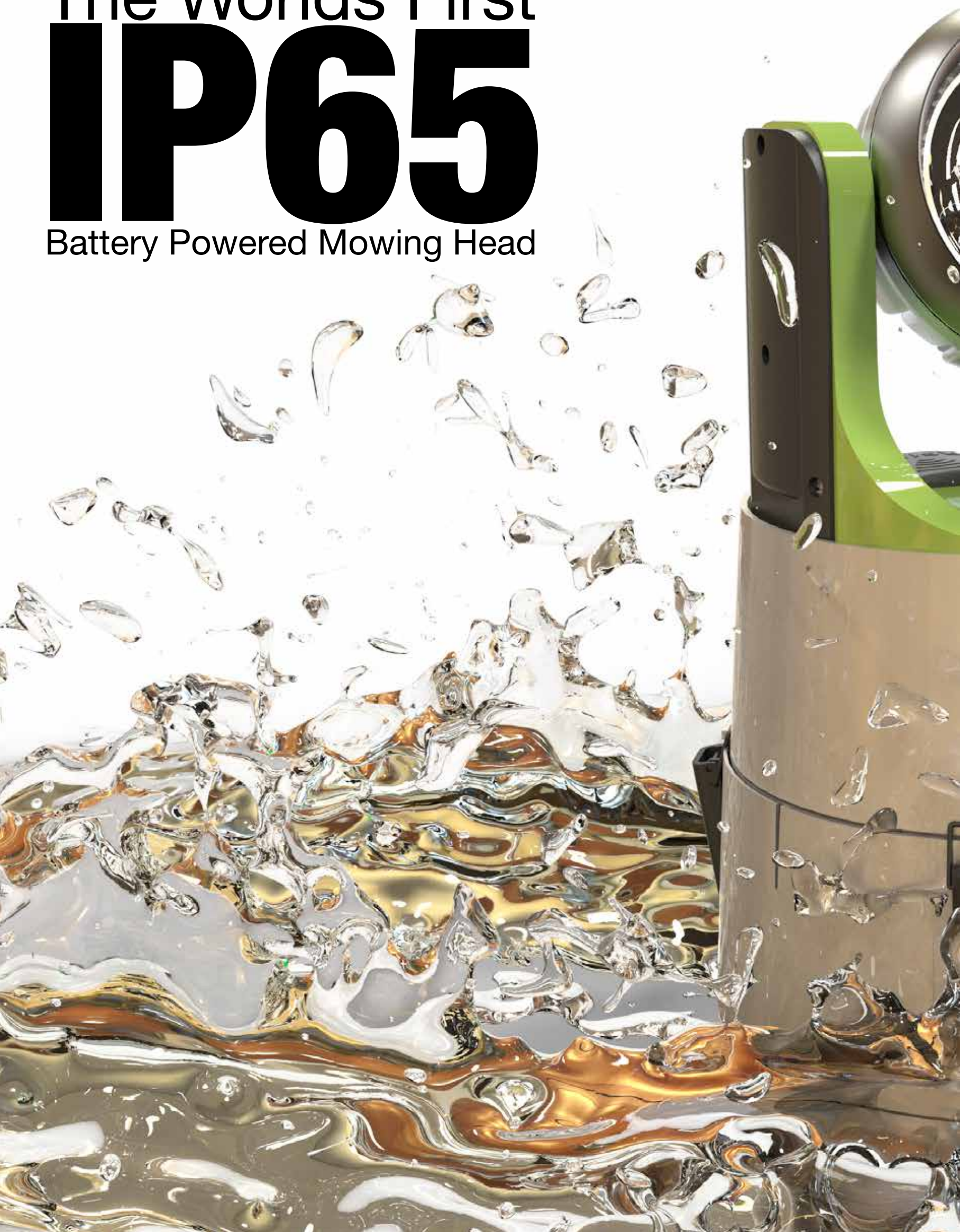
SGM A/S

A stylized handwritten signature in black ink, consisting of a large 'R' followed by a horizontal line and a small 'P'.

René Petersen

The Worlds First **IP65**

Battery Powered Mowing Head





 SGM[®]

Introducing to the Family





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Technical features

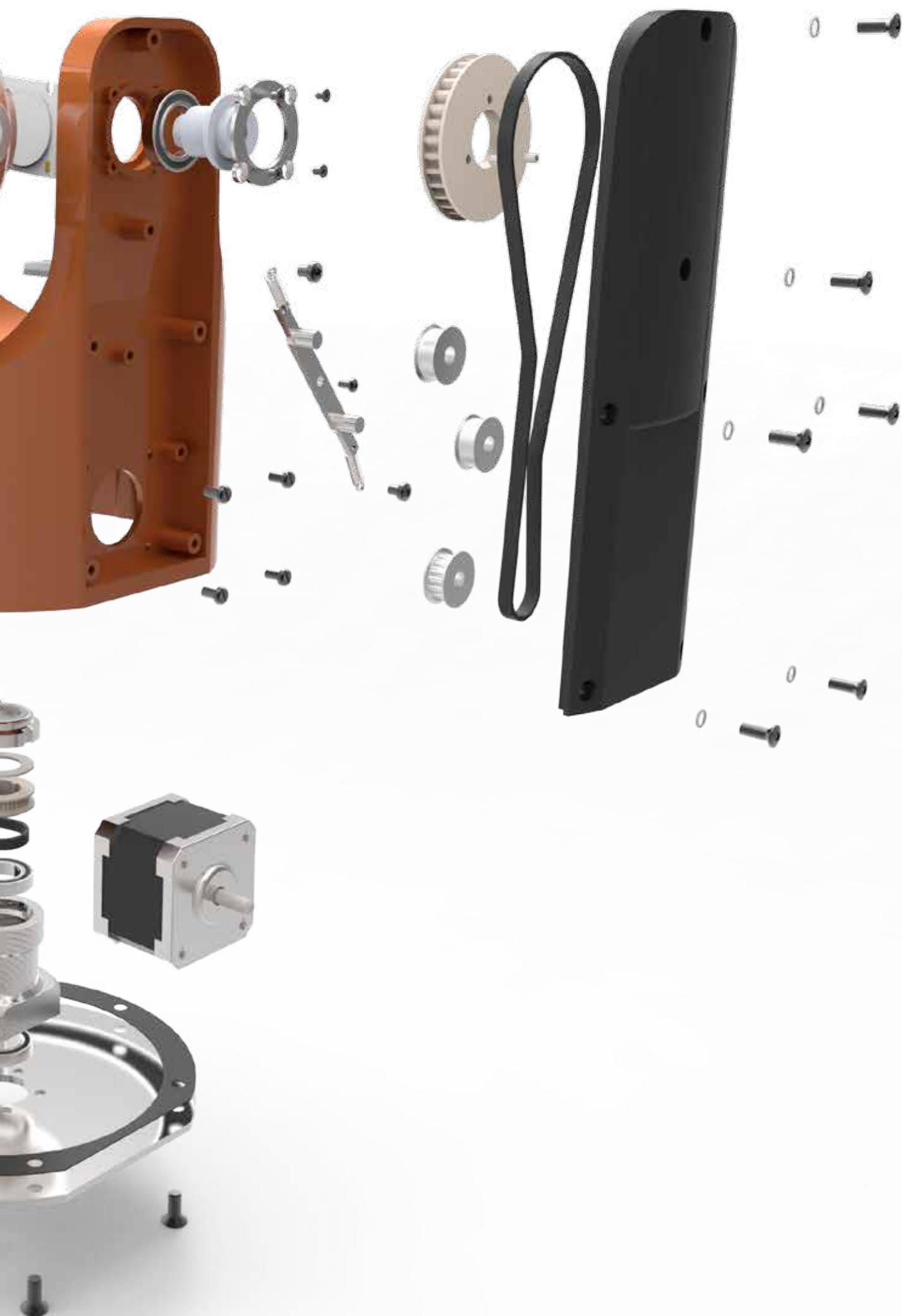
- 30 w RGBW LED light source
 - 84mm diameter lens
 - Optional 9 or 13 degree fresnel lense
 - RFID setup communication
 - WDMX controlling communication
 - IP65 ingress protection rating
 - 10Ah battery pack (LiFe-on4)
 - Up to 8 hours of operation time in full white colour
 - Interchangeble battery pack
 - Four quarterturn adabtors for mounting
 - Omega Bracket mount in two directions
 - External power suply for non-battery operation.
 - Vertical, horizontal and upside-down mounting.
 - Operation from light desk or build in autonomous presets.
 - 350 degrees pan rotation
 - 220 degrees tilt rotation
 - Fast acceleration and rotation
 - UV resistant plastic body.
 - Steel and aluminium main functional construction
 - Optinal raw plastic shell in black or white or painted in any colour
 - Onboard warning LED
-
- Build in shoot and go presets
 - Manually static shoot function





Designed for standard mounting accessories, with quarterturn adaptors for G-hooks, or Omega-Bracket, giving it the possibility to be mounted vertical or Upside-Down.















Mounting clamps for battery pack



Water outlet



One button interface



RFID communication



Quarterturn adaptors

Secure the power chord



Rubber shoe



Powered by battery or external power supply



Combined transportation box and charging station







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