MARTIN OSTERMANN
magma architecture

7 LAMPS OF TEXTILE ARCHITECTURE

Groningen, 26th April 2018
• **Form**
• **Mobile**
• **Speed**
• **Transparency**
• **Structure**
• **Ultra-Thin**
• **Sustainable**
FORM
LONDON OLYMPICS
NO WHITE ELEPHANTS


Temporary Seats
Area Temporary Buildings in m²
NO WHITE ELEPHANTS
NO WHITE ELEPHANTS
SUSTAINABLE

Reduce, Reuse, Recycle
MOBILE
STRUCTURE

TENSIONED VERSUS FLAT
STRUCTURE
STRUCTURE

AXO

1. Fresh air intake

Exploded AXO

1. Modular steel tower truss
2. Telescopic tubular steel piston to tension membrane
3. Phthalate free PVC membrane
   - 100% recyclable
   - 4% light transmission
   - Tapered high frequency welded joint lines
4. Bolted internal steel plate to fix membrane
5. White coated steel angle head ring
6. Phthalate free PVC coated polyester mesh cone
   - 25% perforation for natural ventilation
   - Coloured to match the colour identity of each shooting range
7. Bolted external white steel plate to fix mesh
55% LESS STEEL

STRUCTURE

FLUTES
DOUBLE CURVED SURFACE

BOX
FLAT SURFACE
ULTRA THIN
ULTRA THIN

2,000m² roof
3m³ membrane in relation to 500m³ concrete