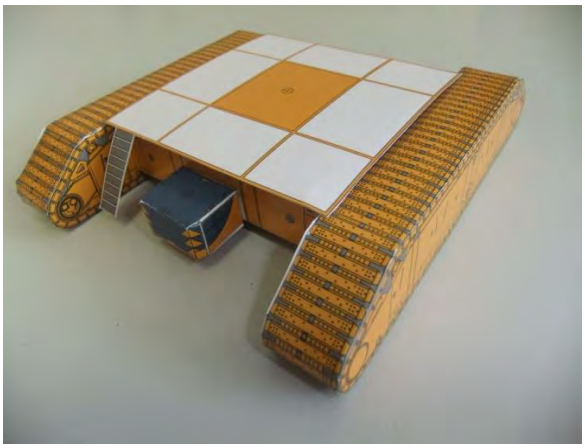
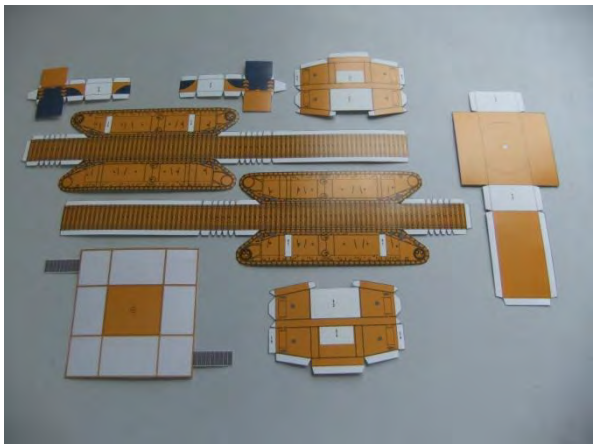
Manual Terex –Demag CC8800-1 paper model

Undercarriage

Suggestion: Fill the parts of the undercarriage with cardboard for more stability!

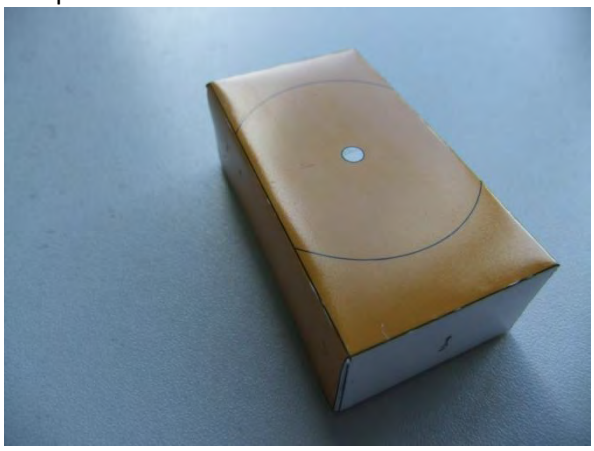


The undercarriage completed

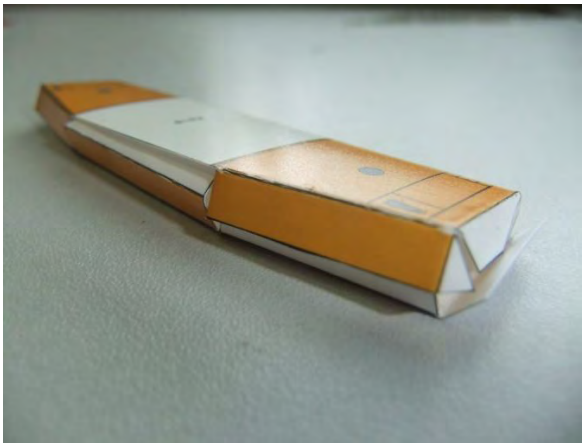


The parts needed

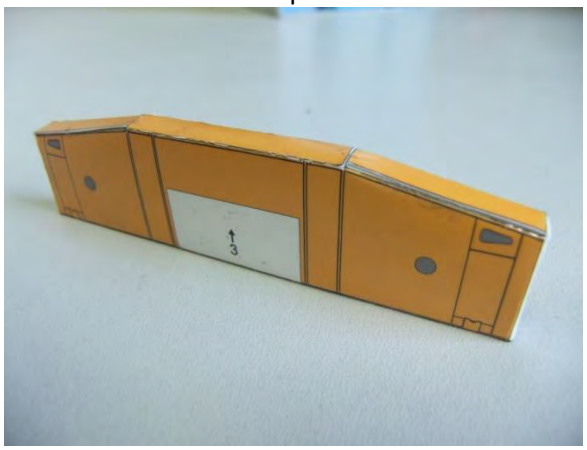
How the central section needs to be folded



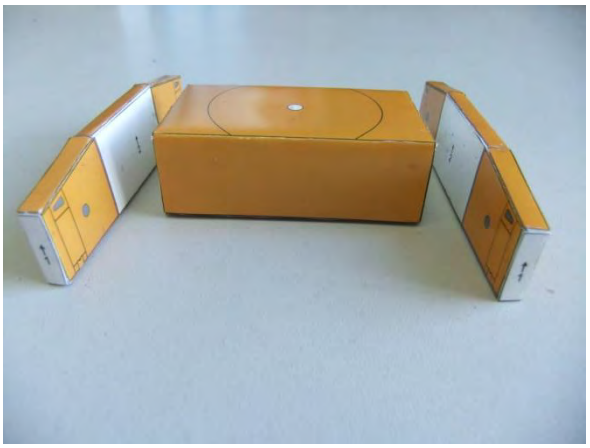
The central section completed



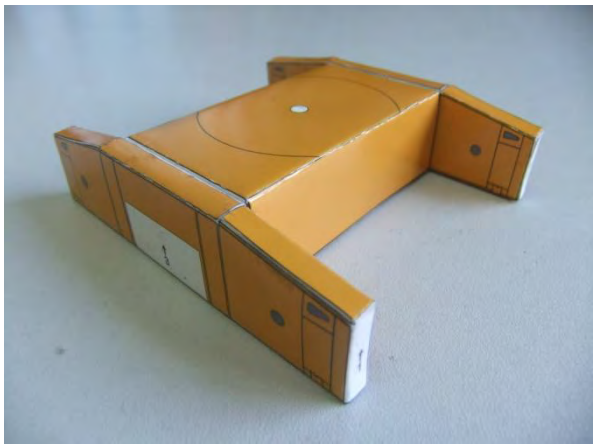
How the crossbeams need to be folded



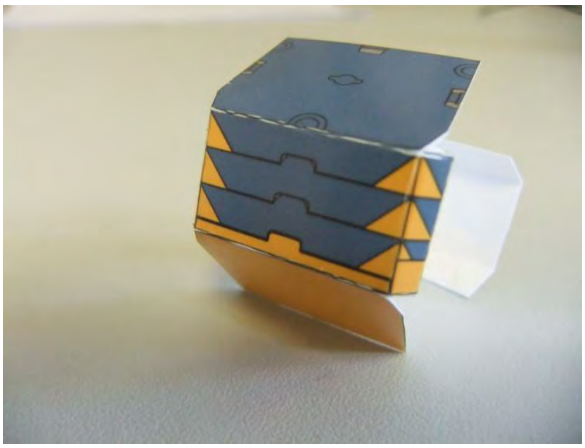
The completed crossbeam



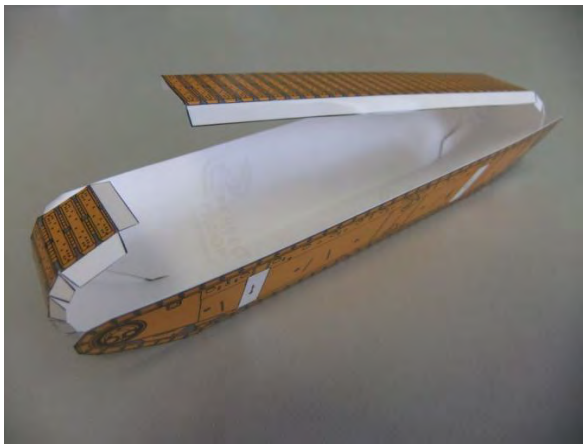
How the crossbeams need to be attached



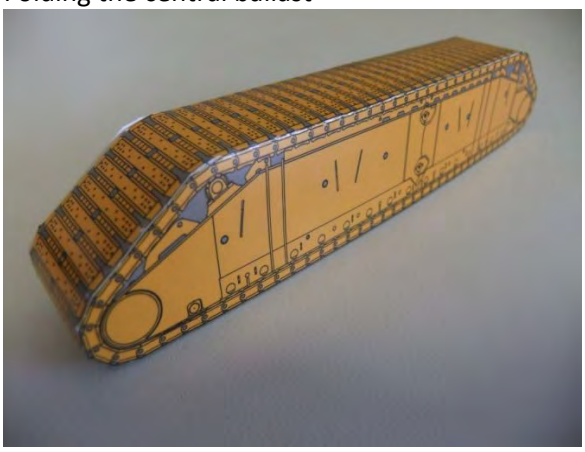
The crossbeams attached



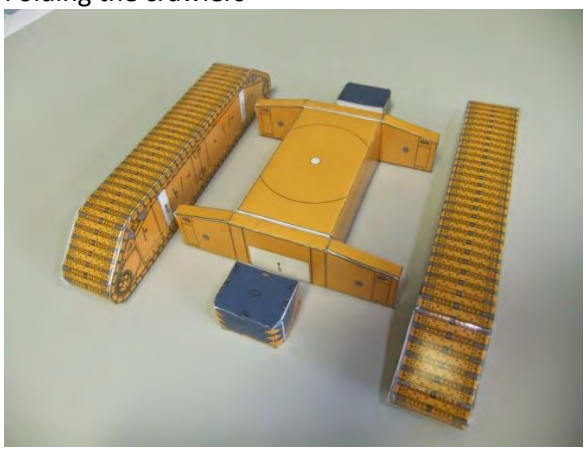
Folding the central ballast



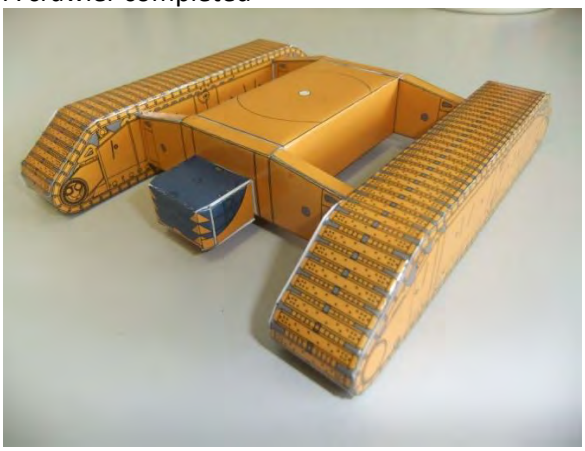
Folding the crawlers



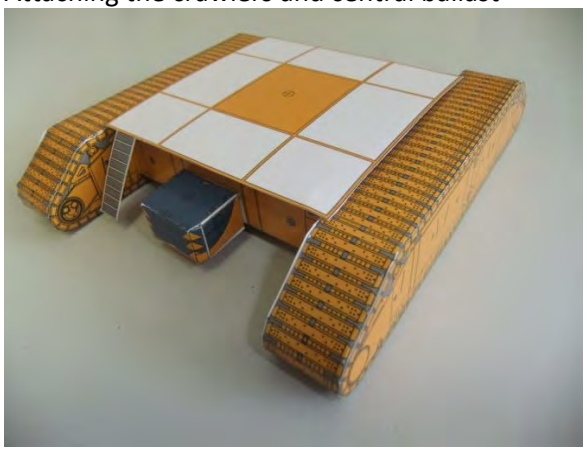
A crawler completed



Attaching the crawlers and central ballast



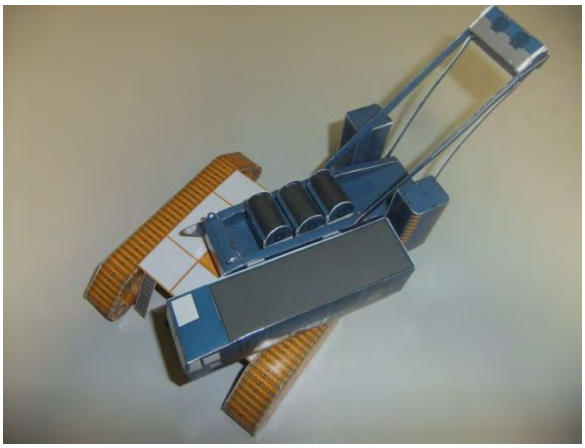
The undercarriage withouth...



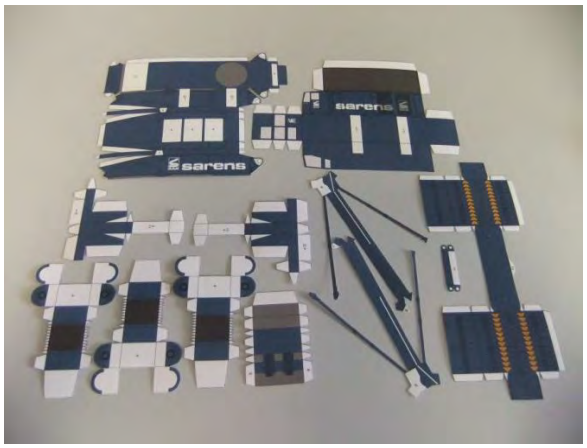
And with platform (optional)

The superstructure

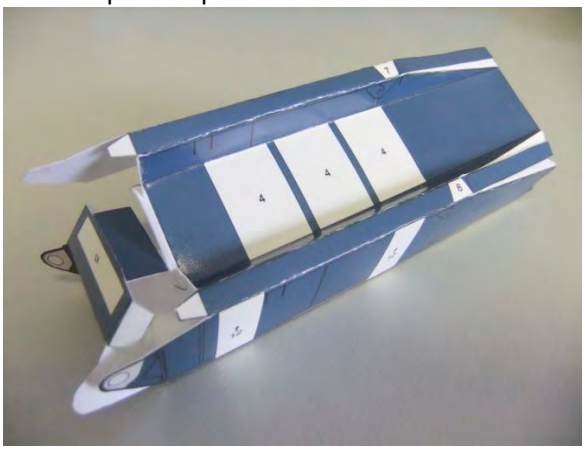
Suggestion: Fill the body and counterweights with cardboard for more stability!



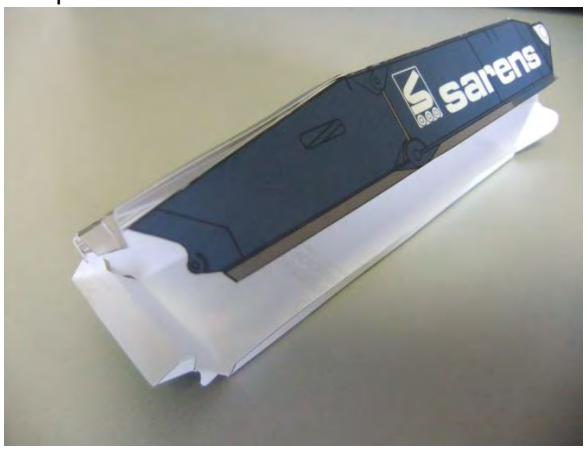
The complete superstructure



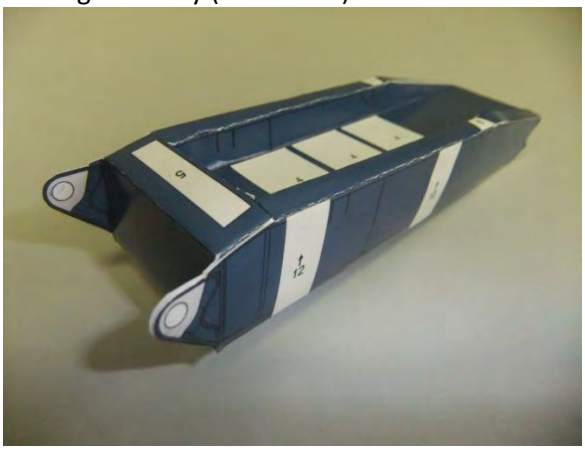
The parts needed



Folding the body (front view)



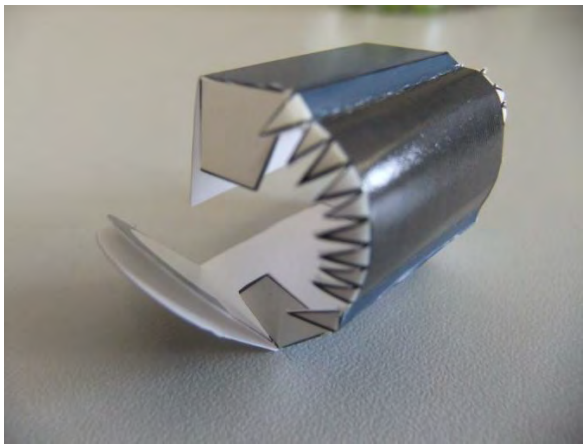
Folding the body (rear view)

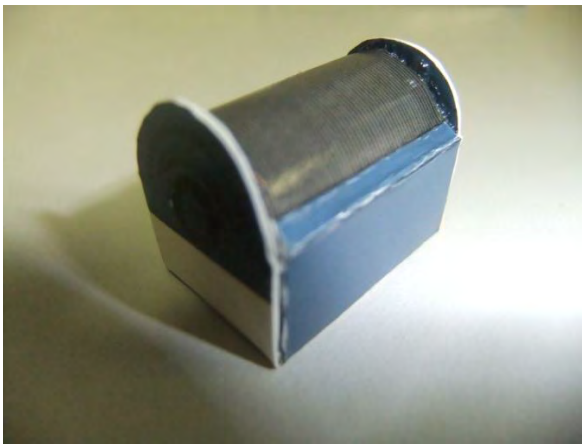


The body completed (front view)

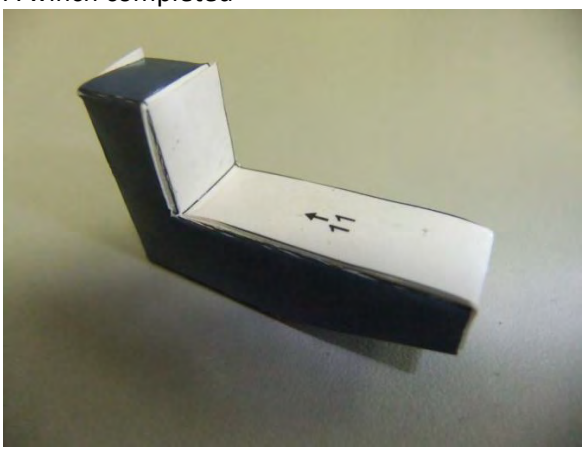
The body completed (rear view)

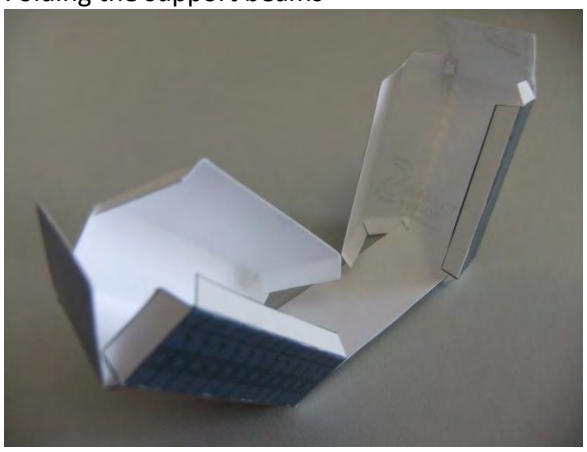
Put a pin in the centre of the circle

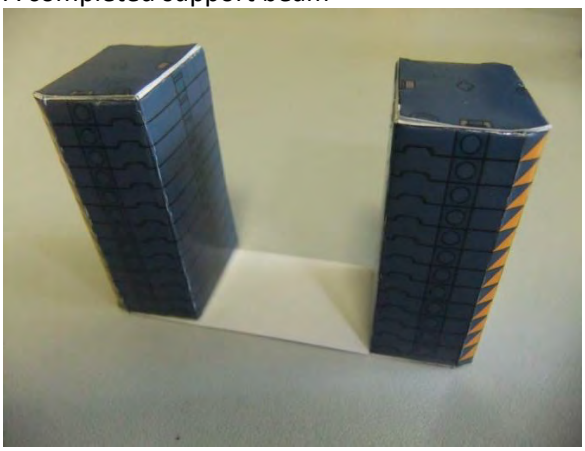

Folding the winches

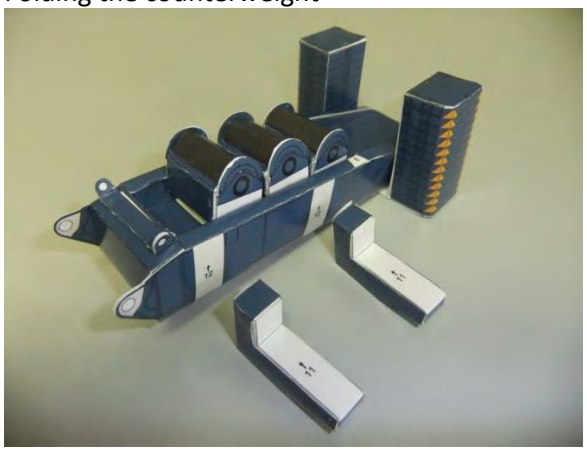

A winch completed

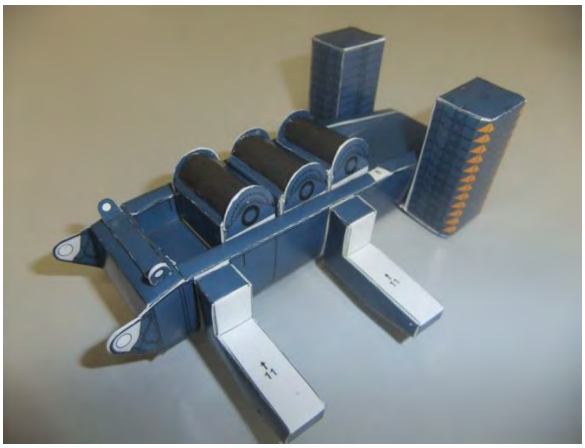

Folding the support beams


A completed support beam


Folding the counterweight

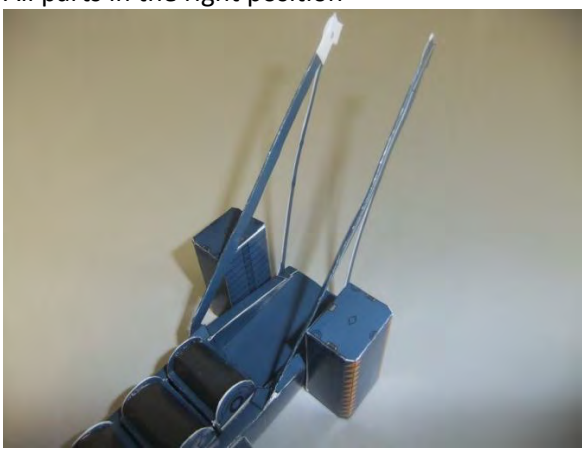

Counterweight completed


Attachment of the counterweight, winches and support beams to the superstructure

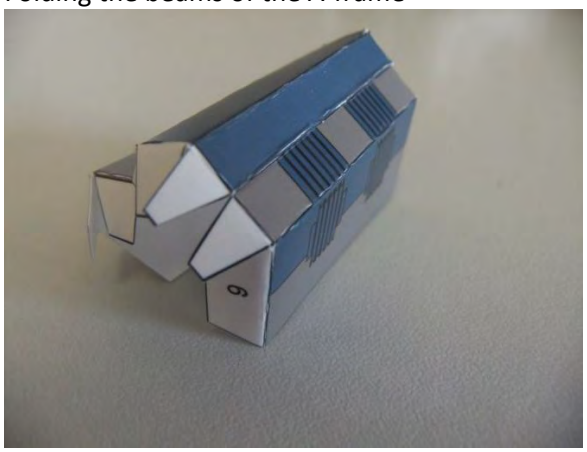


All parts in the right position

Folding the beams of the A-frame

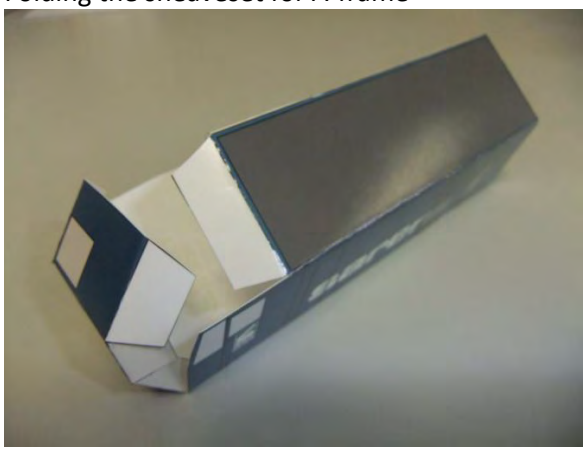


Attaching the A frame to the superstructure



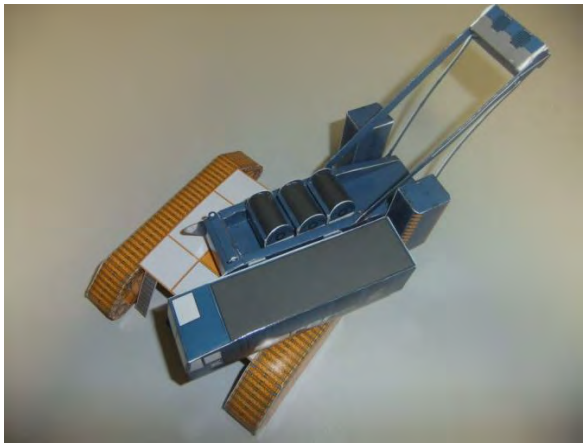
Folding the sheaveset for A-frame

Attachment of sheaveset to the beams of the A-frame



Folding the power pack

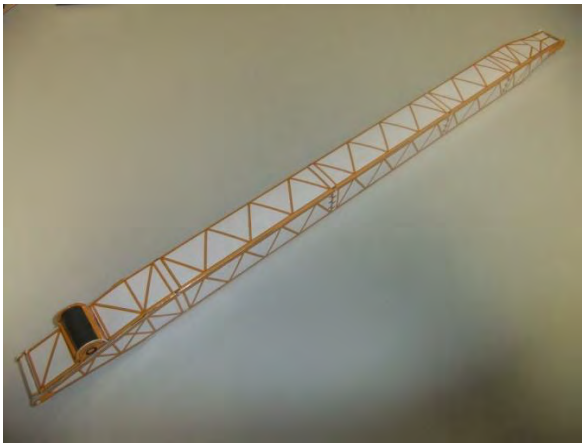
The power pack completed



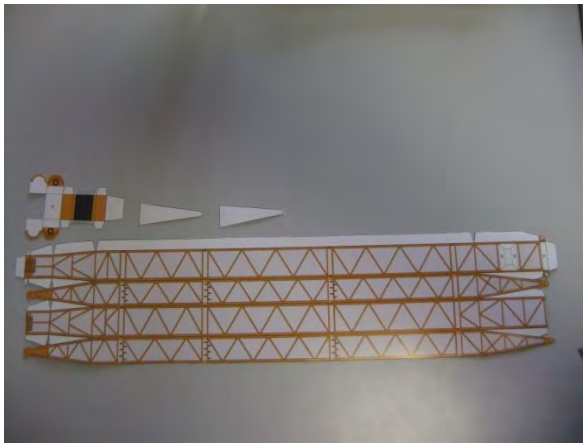
The completed superstructure on the undercarriage

Attention! Glue the power pack only after attaching the masts! This way they are easier to access.

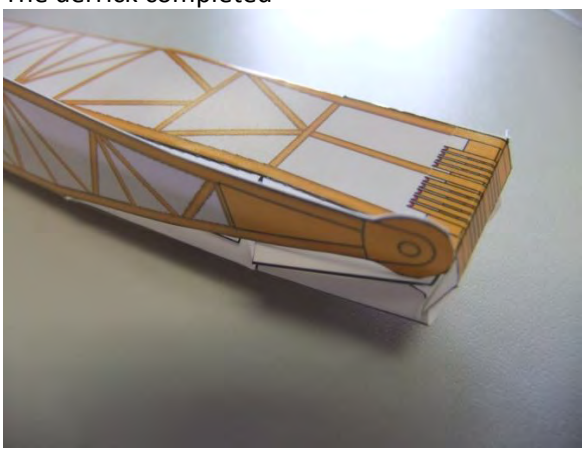
The derrick



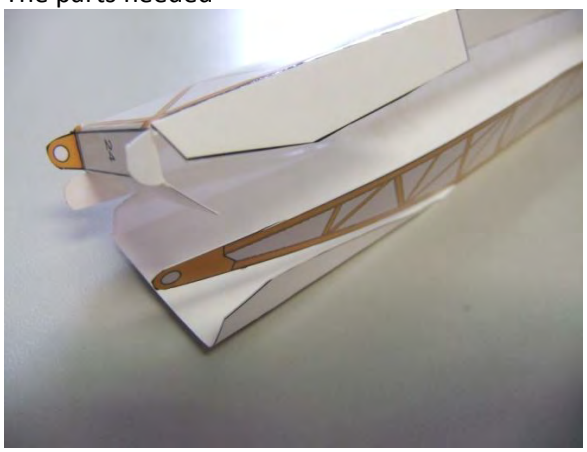
The derrick completed



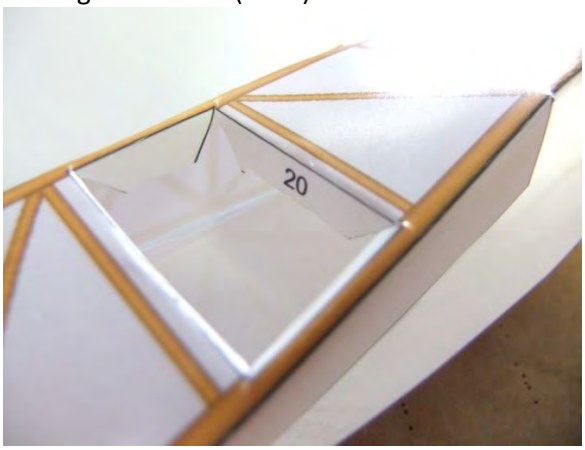
The parts needed



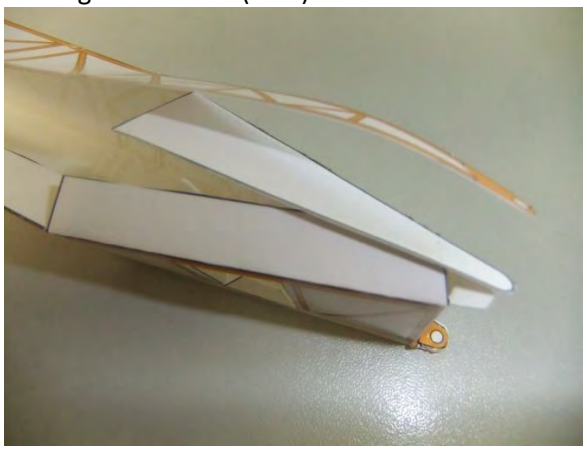
Folding the derrick (head)



Folding the derrick (root)



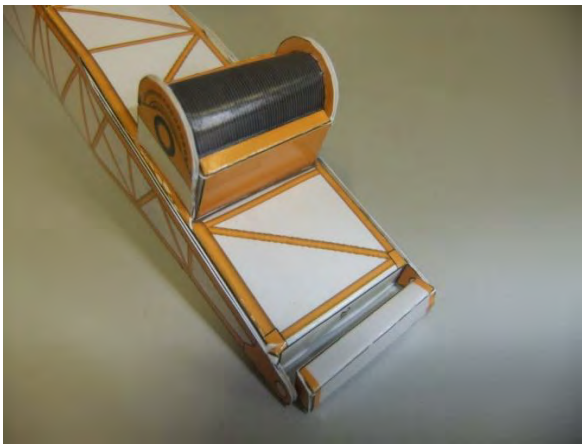
Saving for placement of the winch



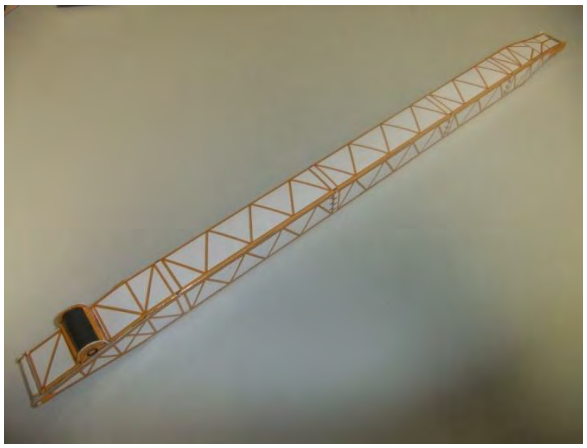
Put the reinforcment lips on the glue edges

Folding the reinforcement box

The reinforcement box completed



Attachment of the winches and reinforcement box

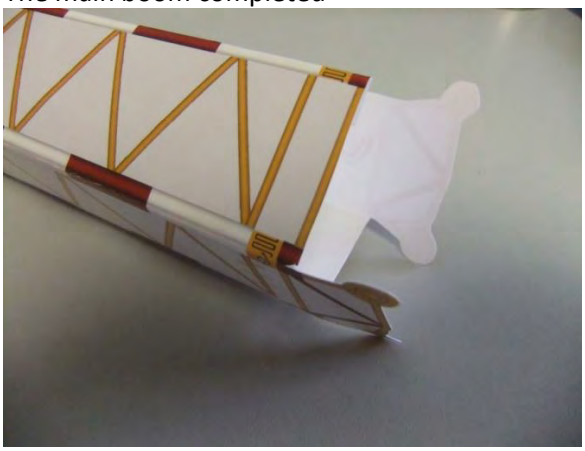


The derrick completed

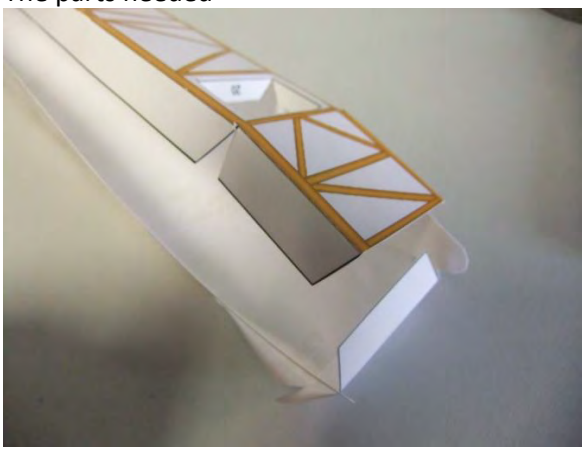
The main boom

The main boom completed

The parts needed

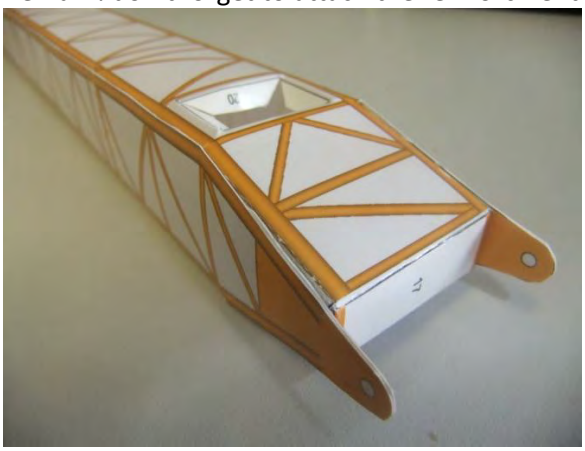


Folding the main boom (head)

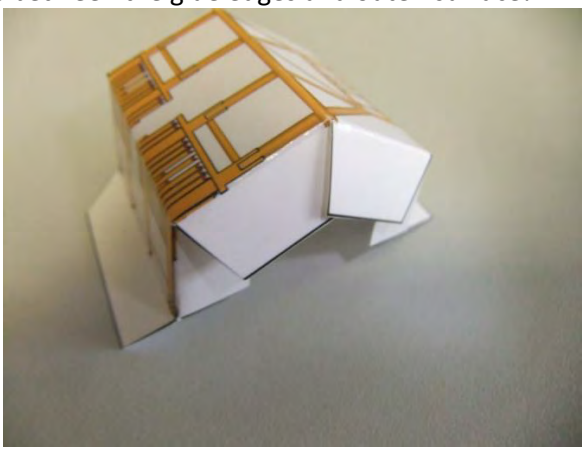


Folding the main boom (root)

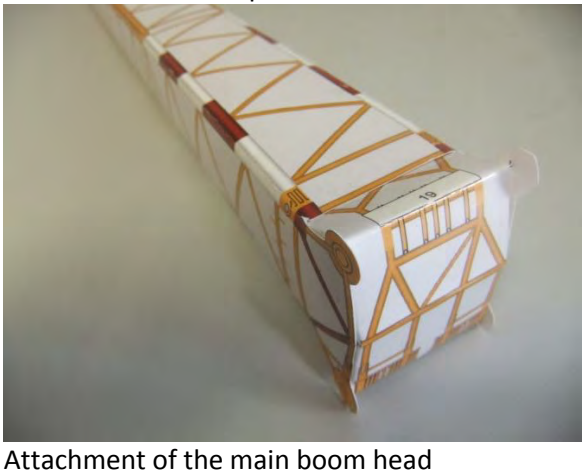
Remark! don't forget to attach the reinforcment lips between the glue edges and outer surface!



The main boom completed

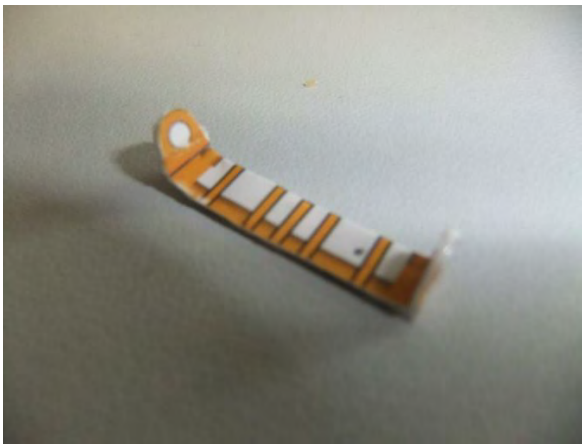


Folding the main boom head

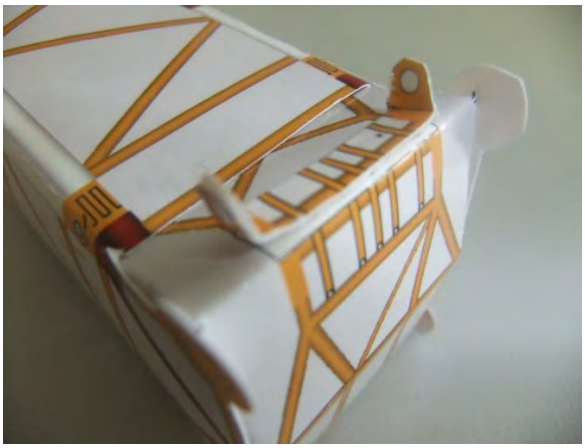


Attachment of the main boom head

Folding the hinge



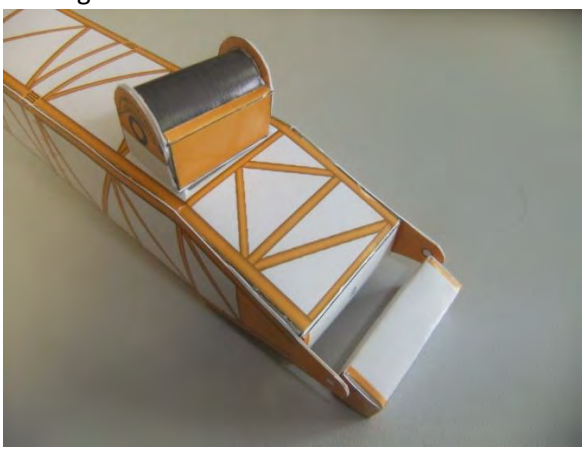
The hinge completed



Attachment of the hinge

Folding the reinforcement box

The reinforcement box completed

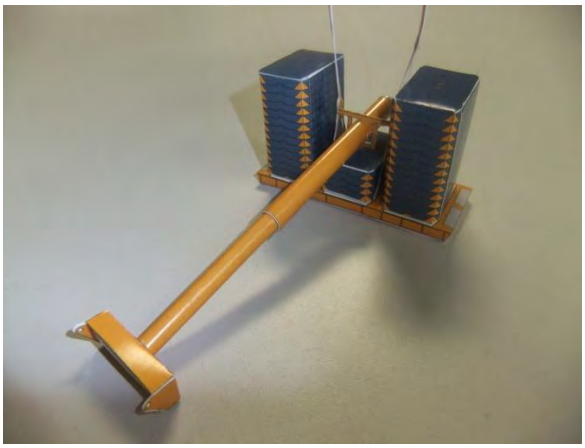


Attachment of the winch and reinforcement box

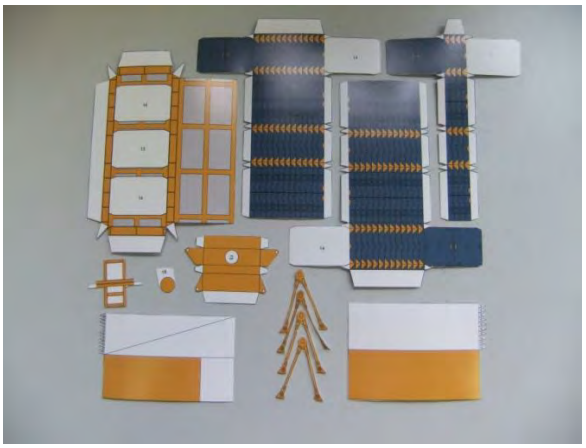
The main boom completed witch hinge, main boom head, winch and reinforcement box

The superlift

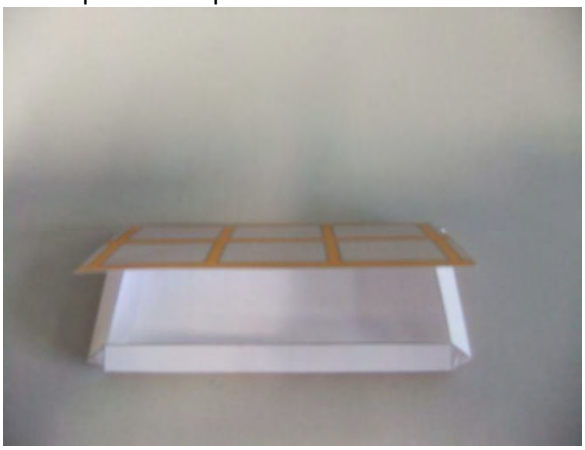
Suggestion! Fill the parts of the superlift with cardboard for more stability!



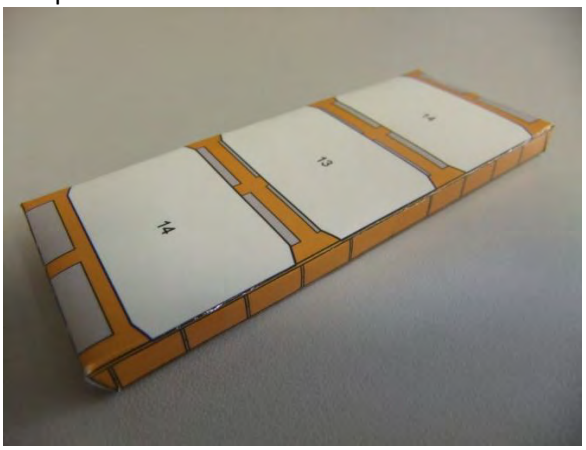
The superlift completed



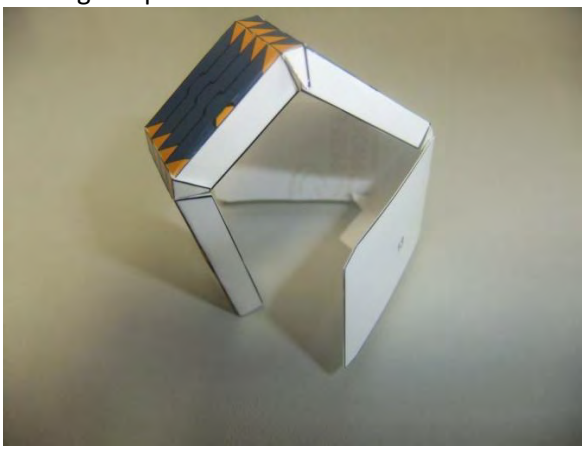
The parts needed



Folding the platform

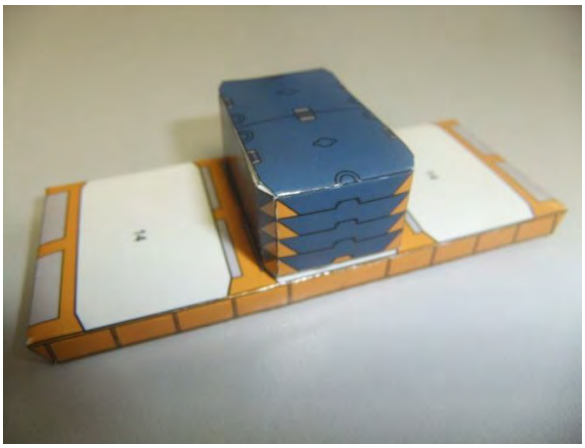


The platform completed

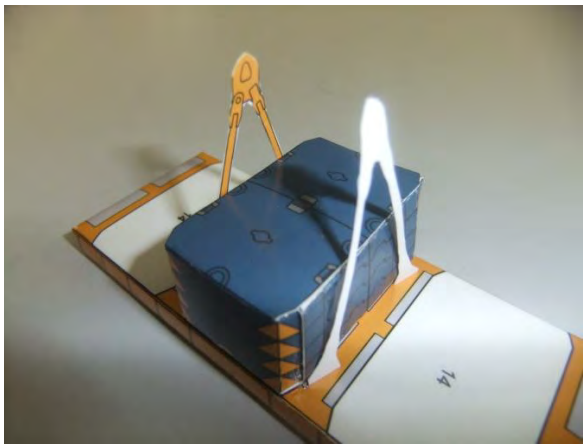


Folding the (small) counterweight

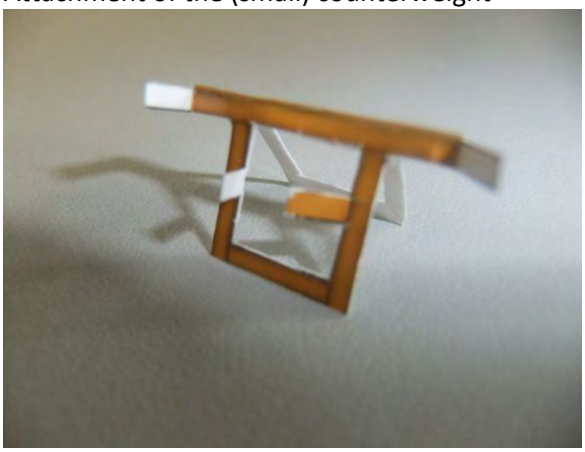
The (small) counterweight completed



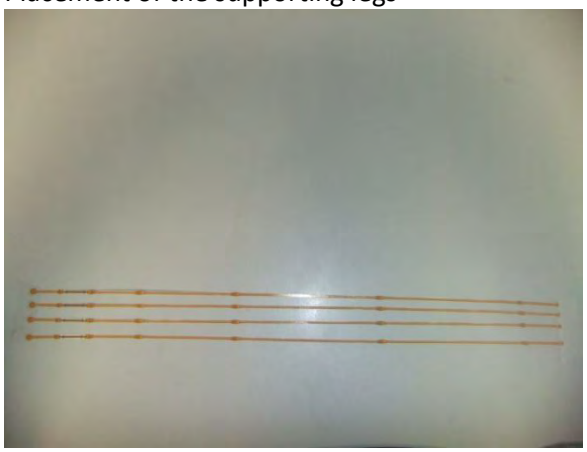
Attachment of the (small) counterweight



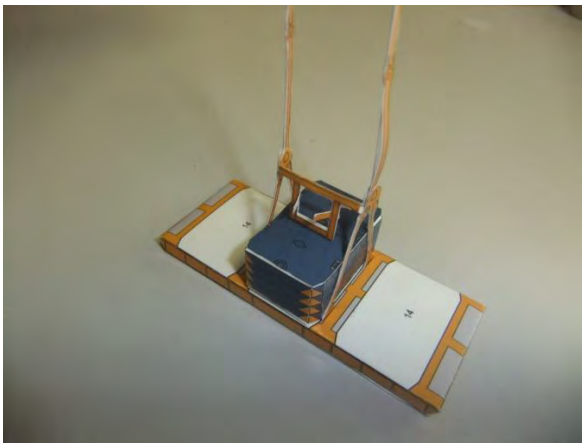
Placement of the supporting legs



Folding of the frame



Glue the pendants with the colored side on the outer surface



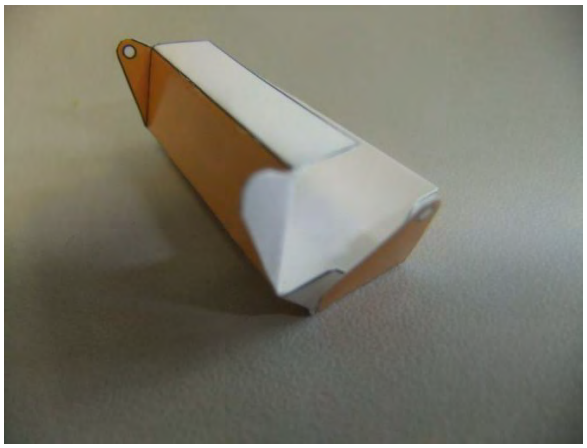
Glue the other two supporting legs over the first, with the lip of the frame and bottom of the pendant in between.

Roll the parts of the stinger (round a pencil)

Glue the biggest part

Glue the smallest part so it fits in the biggest one.

Slide the parts together

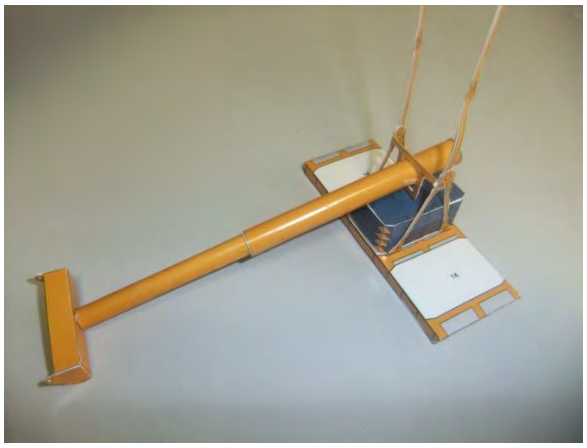


Folding the connection

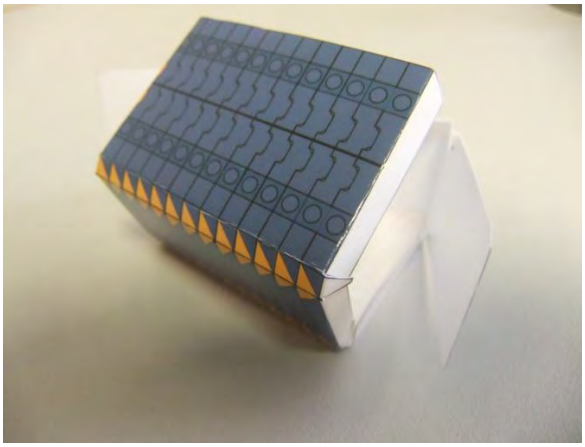
Het connection completed

Glue the connection to the smallest tube

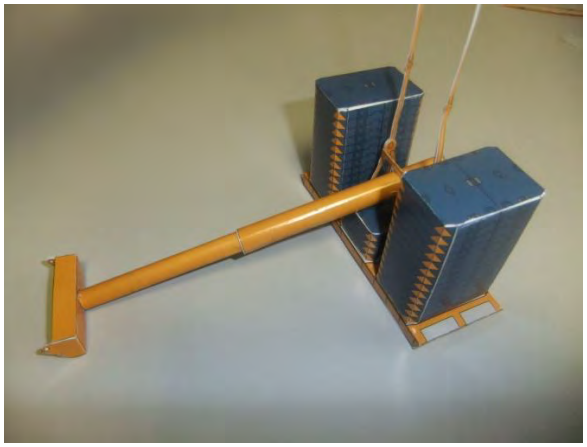
Glue the hedge on the biggest tube



Put the stinger trough the frame and glue the lips to the tube

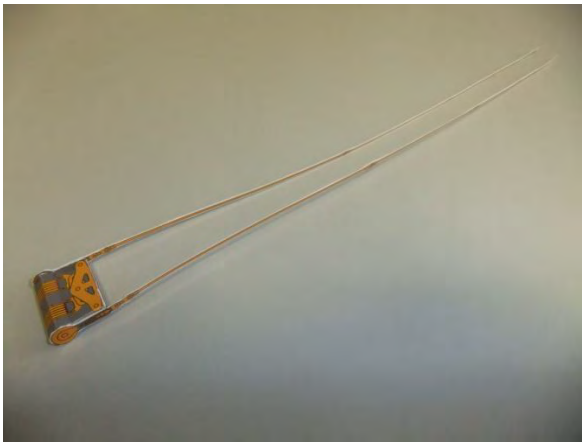


Folding the greater counterweights

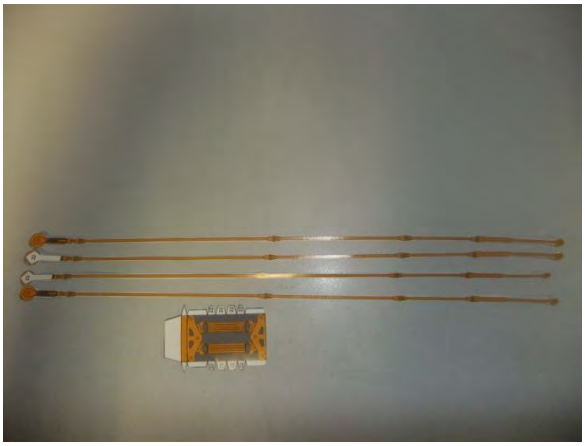


Attachment of the greater counterweights

The pendant

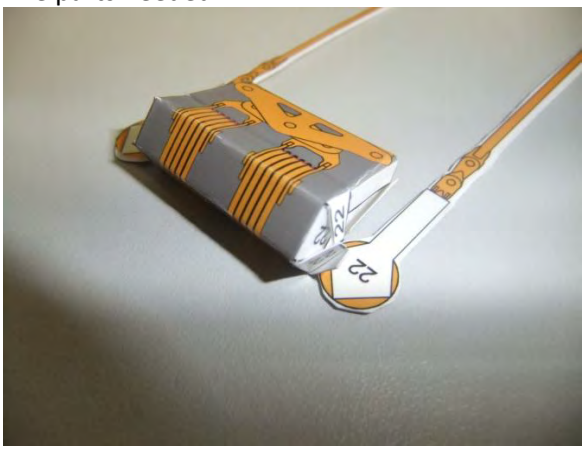


The pendant completed

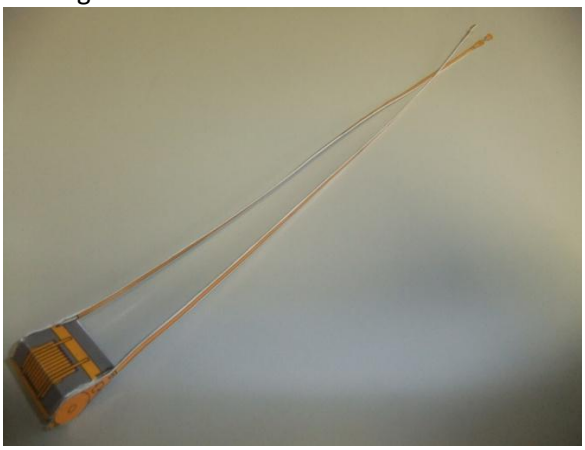


The parts needed

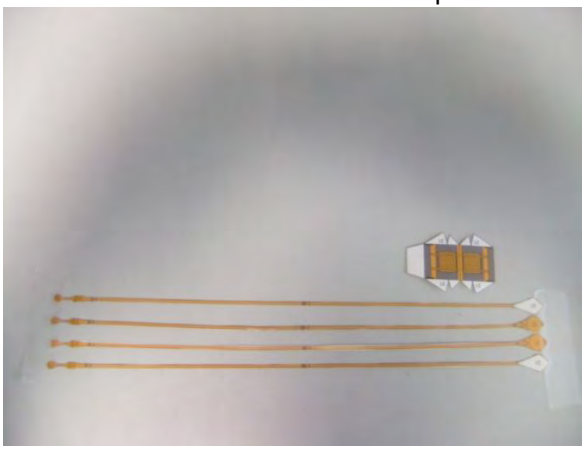
Folding the sheaveset



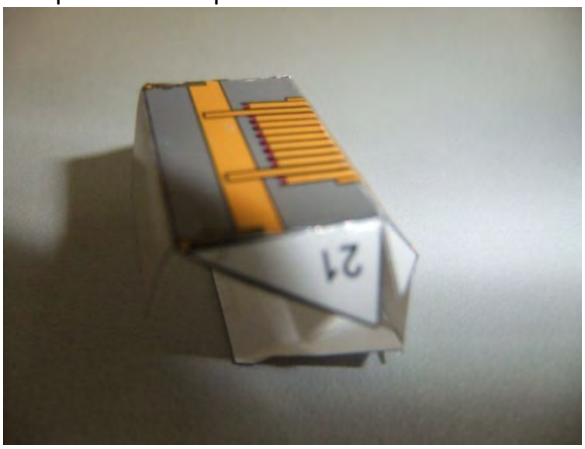
Attachment of the sheaveset to the pendant



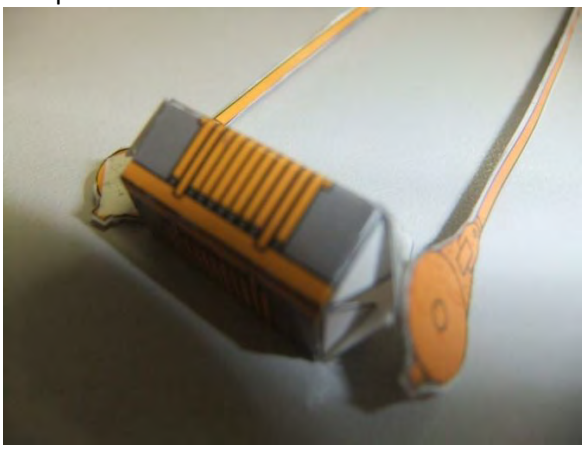
The pendant completed



The parts needed



Folding the sheaveset

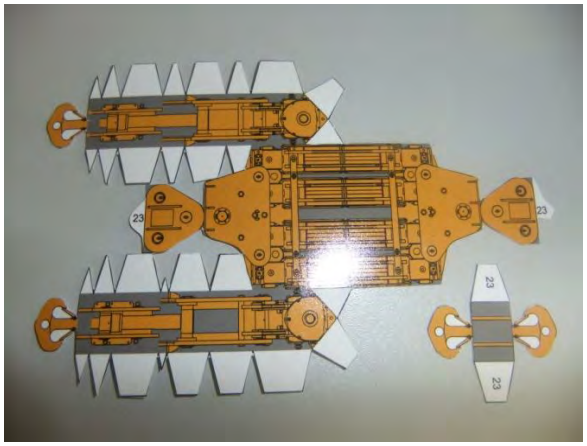


Attachment of the sheaveset to the pendants

The pendants are glued together, there are always 2 pendants consisting of 2 parts with a coloured side on the outer surface!

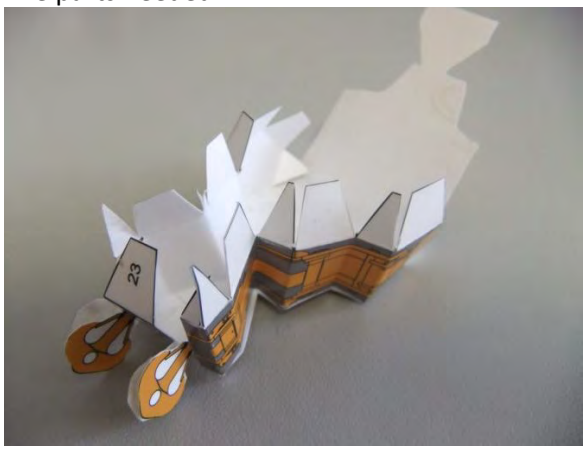
The hook block

The hook block completed



The parts needed

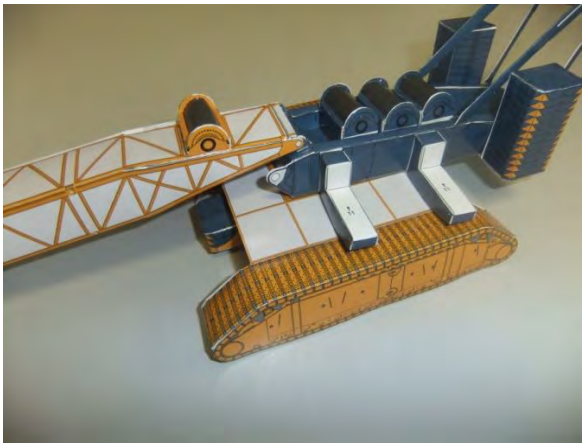
How the hook block needs to be folded



Attachment of the parts

The hook block completed

Assembling

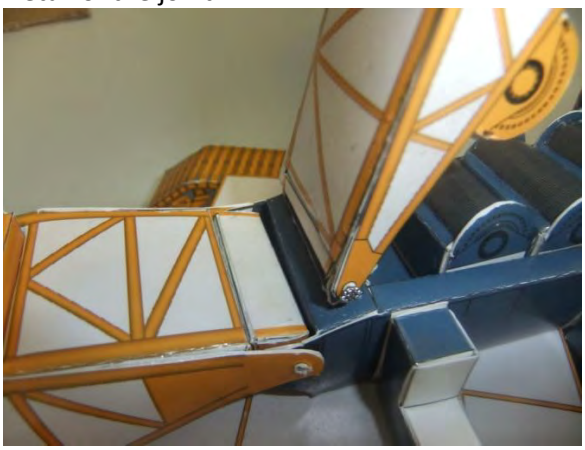


Mounting the derrick

Detail of the joint

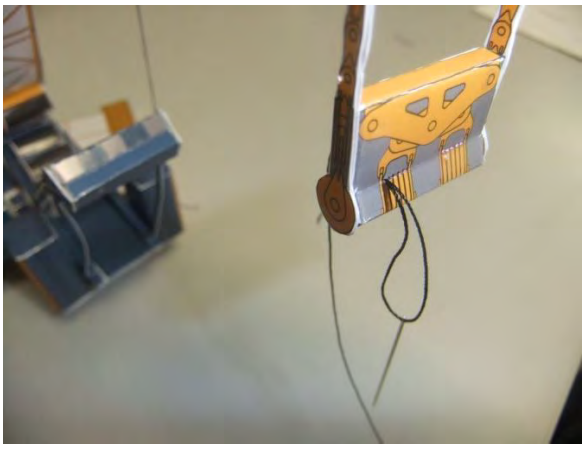
Mounting the main boom

Suggestion! Use nails so that the masts can rotate!

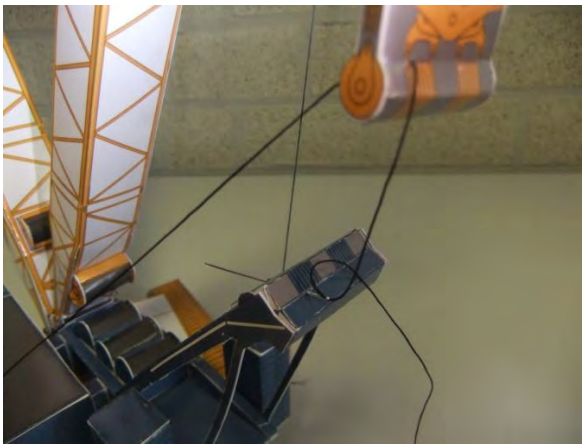


Detail of the joint

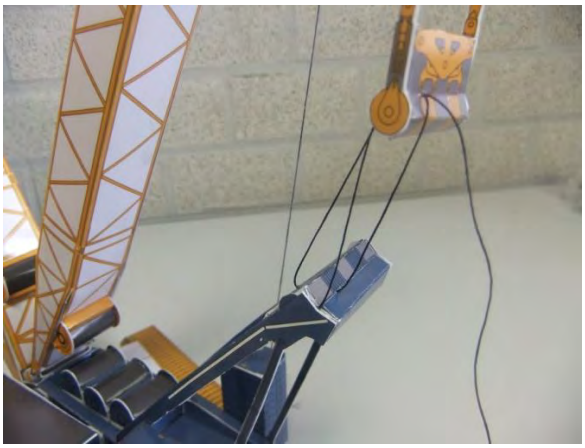
Use a string to position the masts



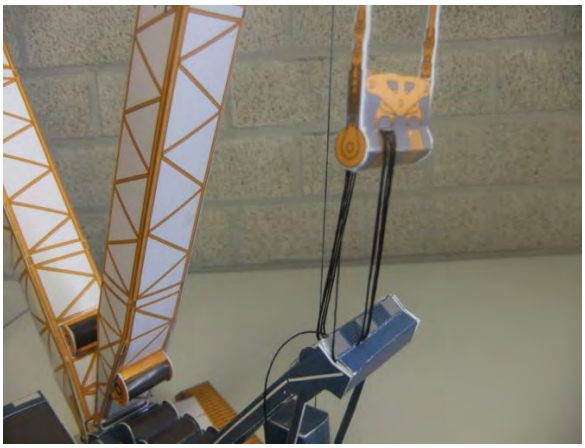
Thread one string of approximately 1 meter trough the outer sheave.



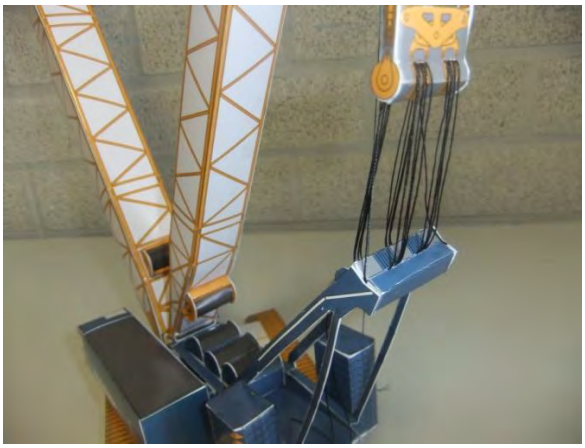
Thread this string trough the outer sheave of the A-frame



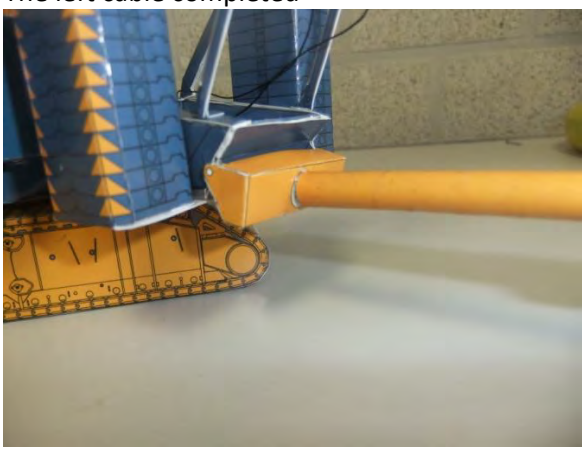
Thread the string from the outside to the inside



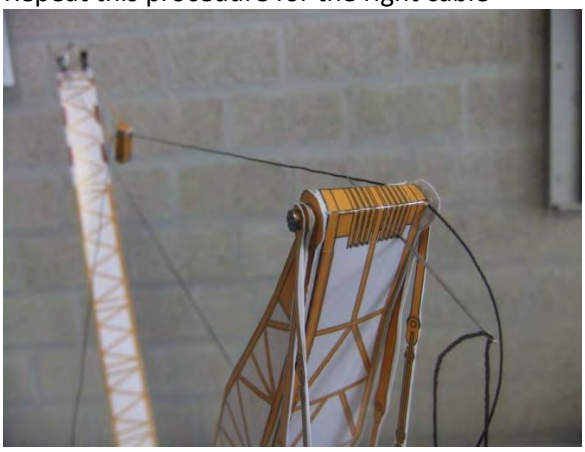
The left cable completed



Repeat this procedure for the right cable



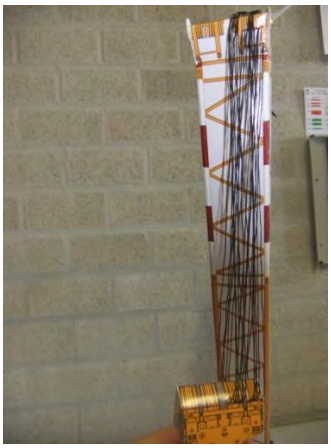
Mount the superlift



The cable of the bridle can be threaded now (+/- 6 m)

Result after threading

To thread the hook, 2 cables are needed. The length of one cable is approx. 20 times the desired distance between the boom head and the hook.



Thread from the inside to the outside

Repeat this procedure for the other cable.