

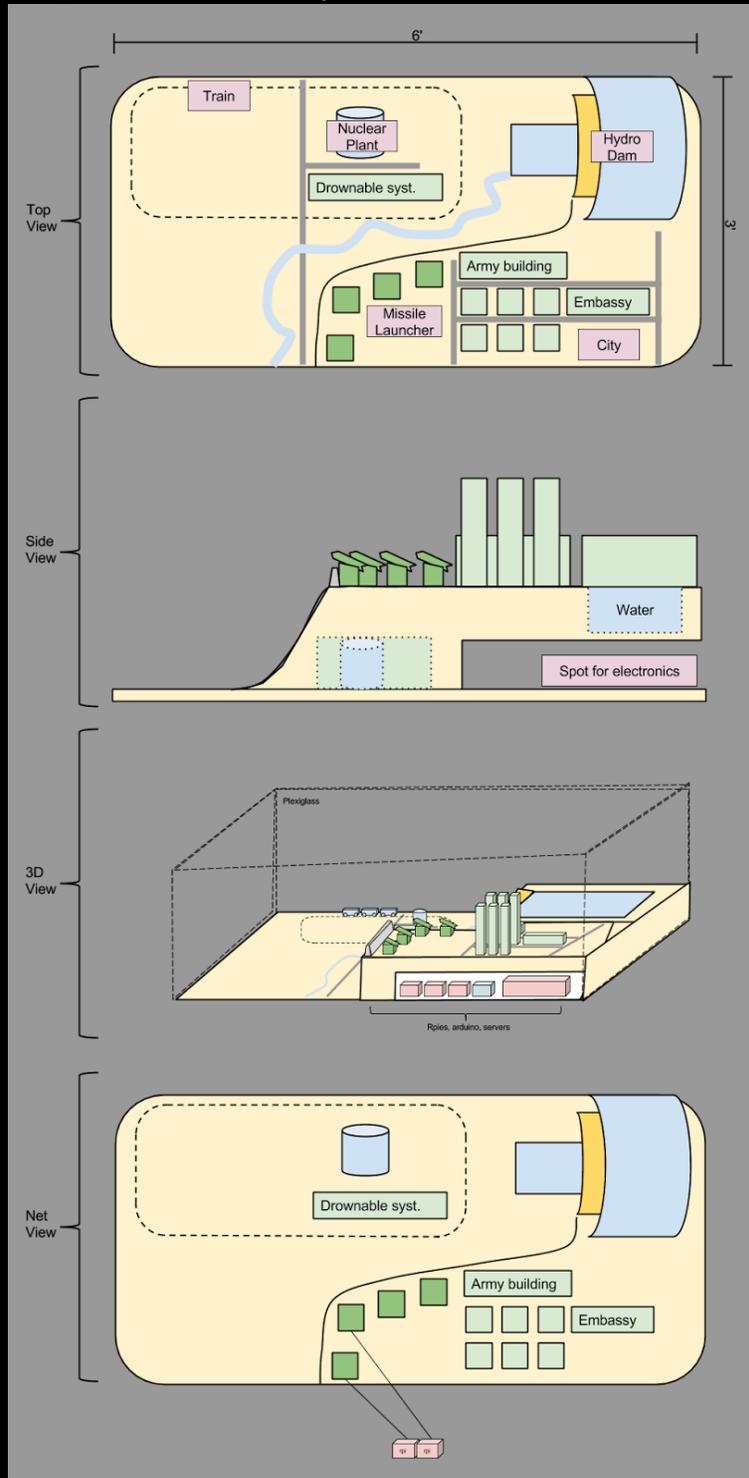


Hackfest 2013 write-up  
*Model making of*

by Mart & Max  
2013-11-27

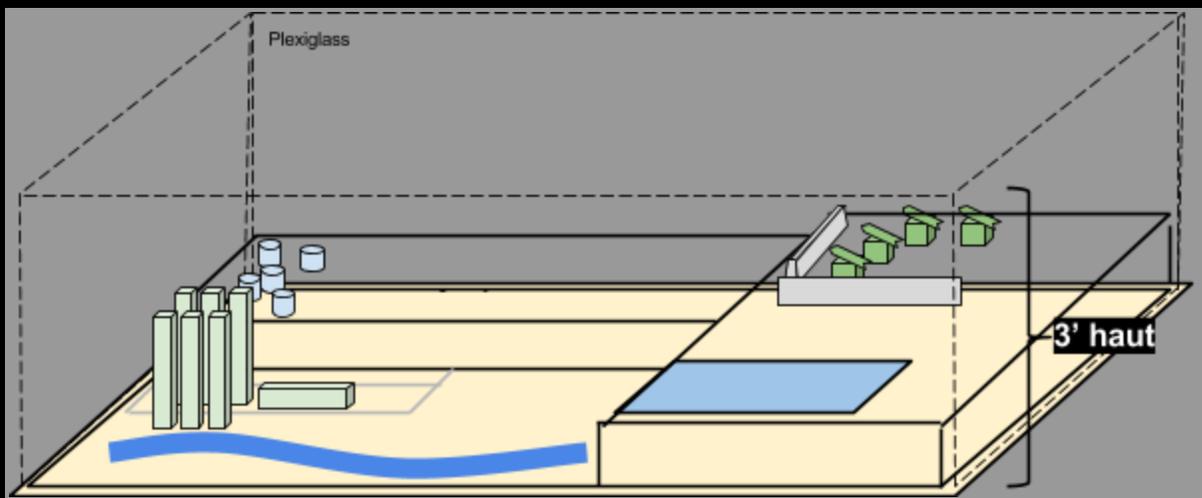
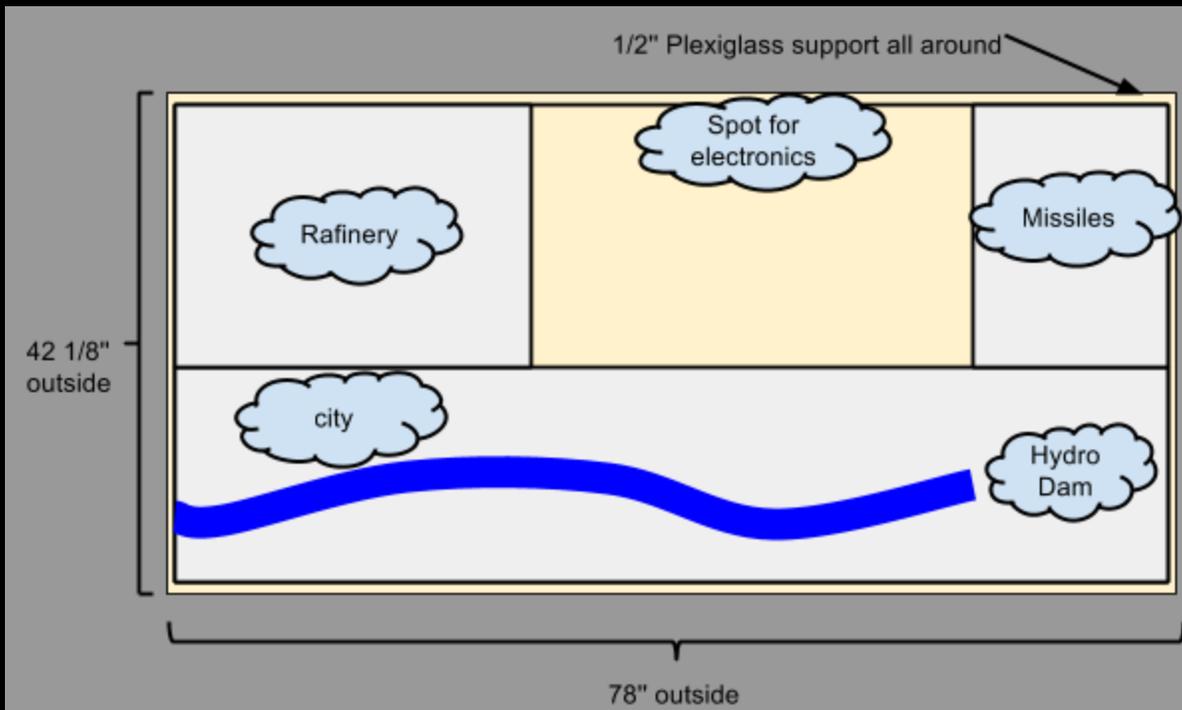
## First draft

Early in 2013, some mate brainstormed on this draft. The idea was to find a way to show what's going on for non-participants and also a way to make some hardware hacking during the year.



**Second draft**

New draft for better use of the water. This way, breaking the hydro dam won't break all systems.



## Material

Short overview of what it cost.

Name	Description	Price
Hardware stuff	Plywood, 2"x3"x8', Insulation foam, nails, screws, glue,	~110\$
Missile launchers	USB Hub, 3x usb missile launchers	~150\$
Hydro Dam stuff	Hydrolic pump, pipes, cables, electronic gates,	~20\$
Rafinery Fans	Some computer fans	?
Paint	Stone effects	60\$
Paint accessories	Brush, tools, etc.	30\$
Wall Plaster	Used for dam and mountain effects	?
Confetti	For explosive building and refinery	0\$
Buildings	Some paper buildings must be created for the city	30\$
Raspberry pies	One for Missiles launchers, One for explosive building	100\$
Polycarbonate	Worth 600\$. Donation from SMI.	0\$

Total: 500\$



Under the plywood, pieces of 2x3 were installed to strengthen and straighten up the flat surface. We were not sure yet if we'd use a plexiglas cage. But to prevent unnecessary work, the 2x3 were placed just outside the plywood in a way they could be used as support for the cage.



This is the view from under.



The river sculpted in foam.



This is how the different shapes were “sculpted”. A plumber’s “TurboTorch”. Then wall plaster was used to fill the holes and and the cracks. This is how the different shapes were “sculpted”. A plumber’s “TurboTorch”. Then wall plaster was used to fill the holes and and the cracks.



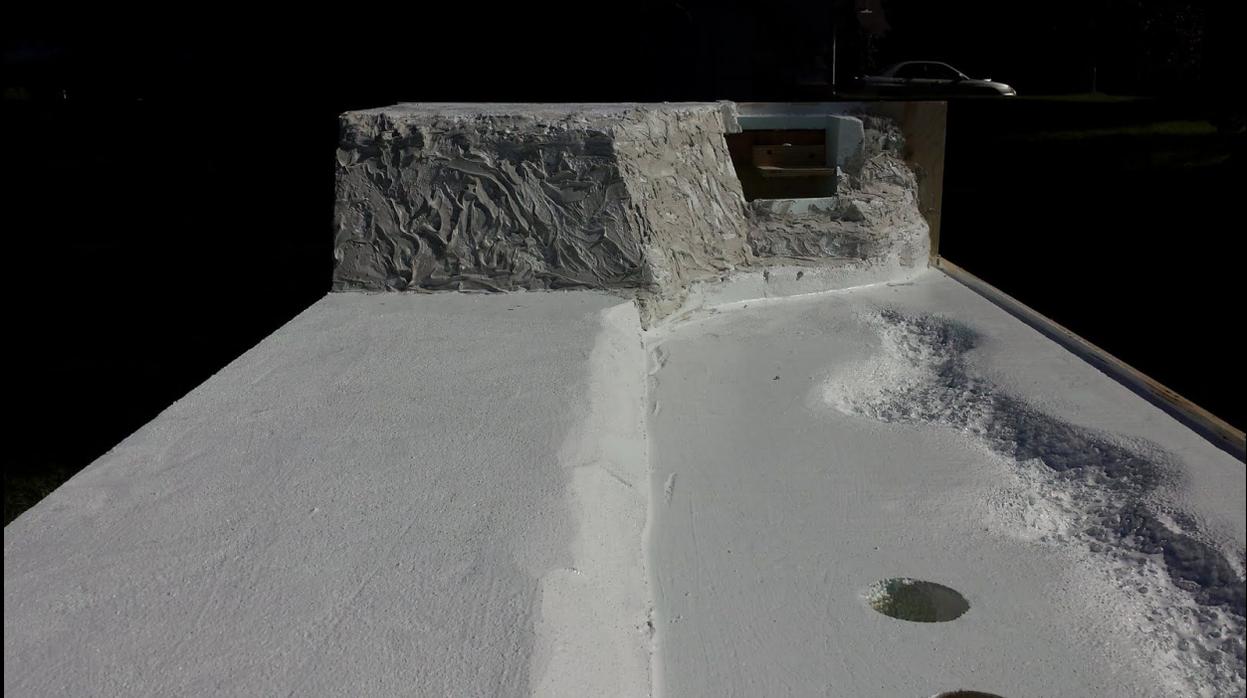
After the foam shape is satisfying, it was time to put primer paint on it. But before, the “torch” was used on some flat surfaces so it would look a bit more “natural”.



This is the look after the primer paint.



The texturing paint was not yet applied. The grains in the foam come from sanding. The cliff relief was made using house walls plaster. It was applied roughly with one or more layers. Also, the rough edges created with the torch on the cliff gave better adherence to the plaster.



This is what it look like after one layer or texturing paint.

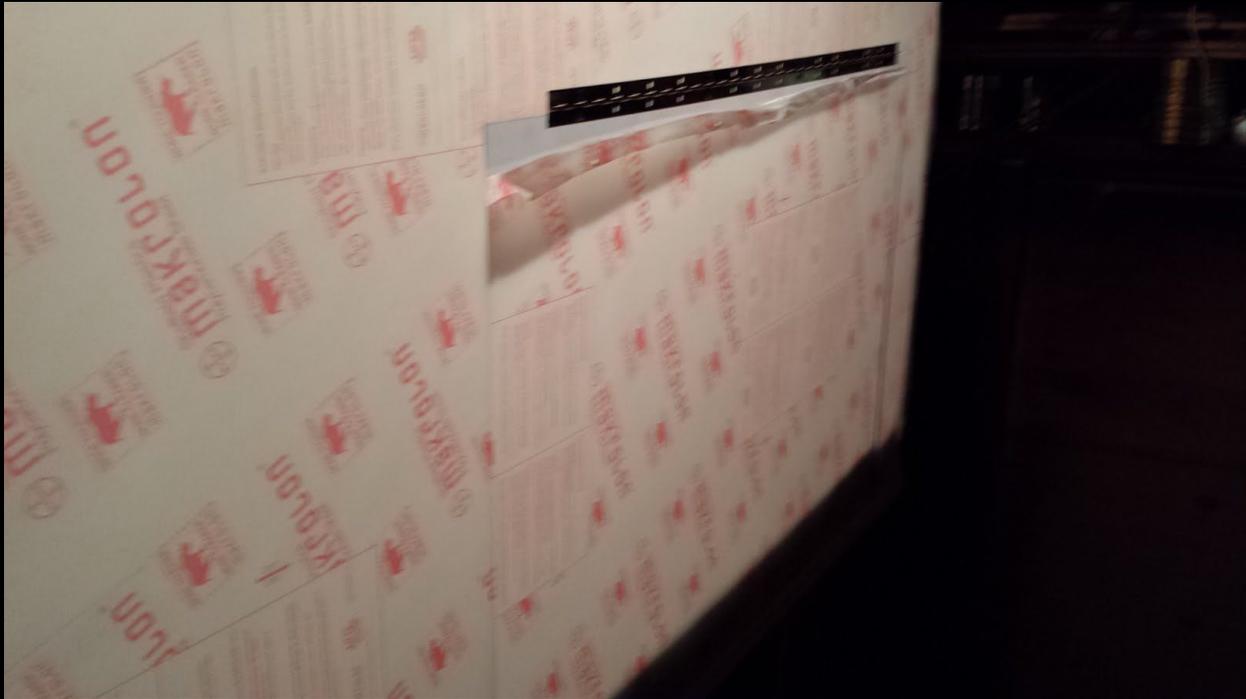


With the dam finished and “clear” applied.

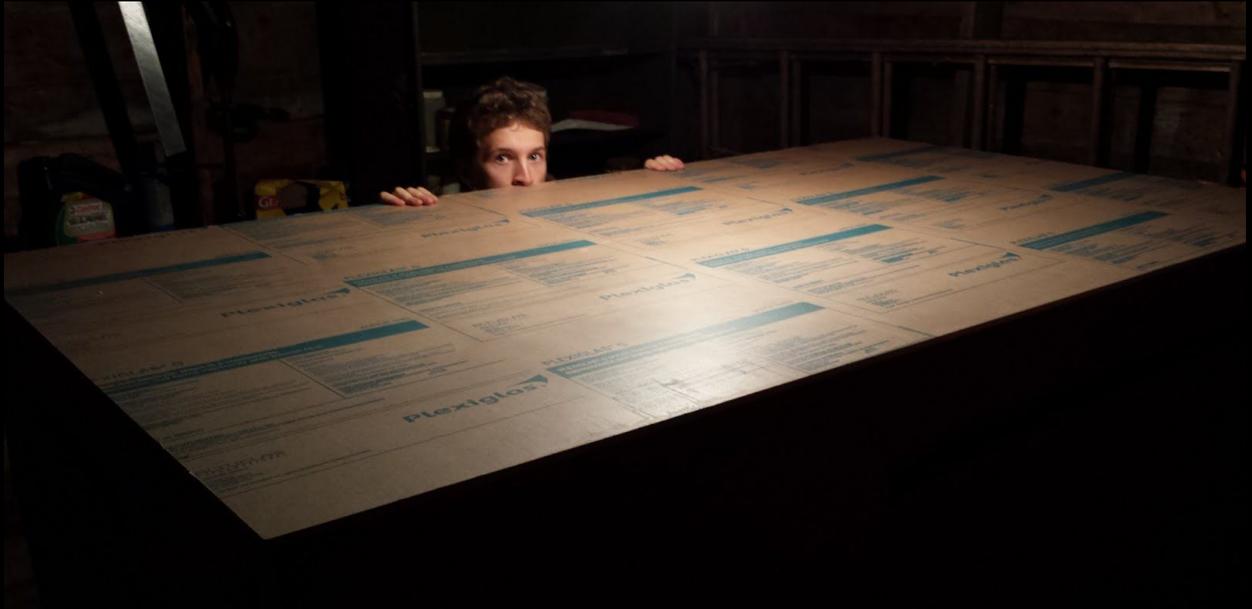


Testing the plexiglas cage measurements.





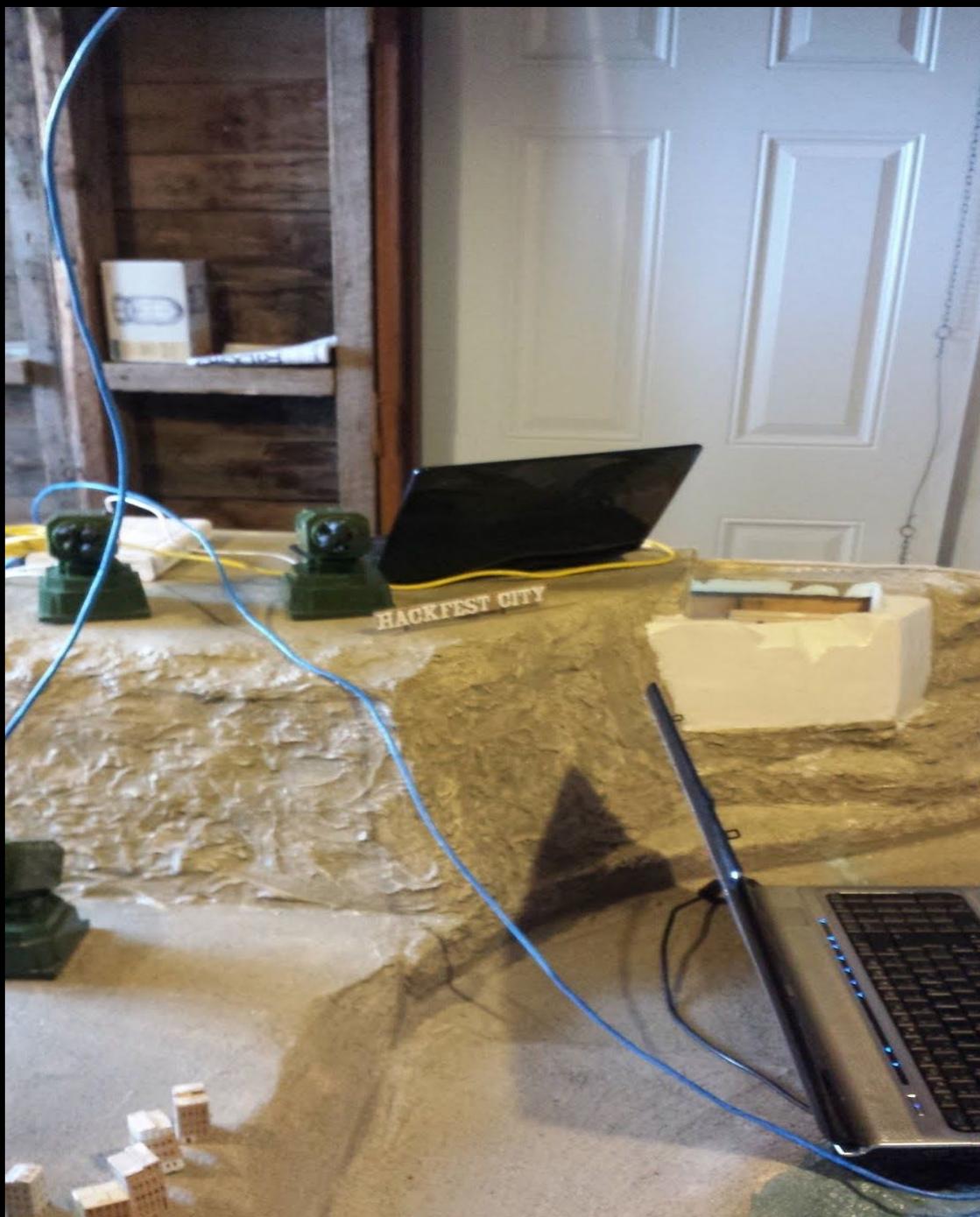
Fit perfectly :)



Now integrating the hardware.



No geek meetup would be complete without wires and laptops everywhere. Also, the blue wire falling down was to connect us to a wireless bridge setup for the occasion.



Preparing the city and connectors.



Testing the lights.



Tests done. Enjoying the model.





To get a better look and to make sure the plexiglas cage wouldn't fall, simple wall skirting board was installed. After every wooden parts were stained black, it gave a fancier look to the overall project.



On Site



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After war game





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## War Game Team



People who worked on hackfest city:

- Cédric Chaput
- Martin Dubé
- Maxime Mercier
- Philippe Godbout

Hope you've enjoyed :)