

## Lungs [the breather] v.1.0

(Based on the installation at Nadine-Brussels, 2008)

<b>ROOM MEASUREMENTS</b>	
Lungs + room	Min. 7,30x7x4,50m (WxLxH)
Technical Ceiling	to hang projector
Waiting room	To wait and install the masks before entering
<b>COMPUTERS &amp; SOFTWARE</b>	
Apple MacBook Pro 2.4GHz Intel Core Duo Processor	Image processing, 3D openGL
Apple Mac Pro 8-core Two 2.8GHz + Screen	Audio processing
Max/MSP - Jitter	Programming of software
Mac adapter dvi - vga	From macbook Pro to video projector
<b>AUDIO</b>	
Sound Interface min. 4 analogue inputs 8 analogue outputs	Input 4 microphones Output 8 speakers
4x good studio speakers (like Meyer UPM-1P or ATD2 AV2.A)	Nearby speakers
4x speakers (like Meyer UPJ-1P or ATD2 AV6.A)	Distant speakers
4x stereo amplifiers	If necessary
Mixing desk	If necessary
<b>VIDEOPROJECTION</b>	
Digital DLP video projector	2500 min. lum To be hang vertically
<b>LIGHT</b>	
4x spots	To light to entrance and exit for the visitor
Dimmer	To dim the lights
<b>SPECIAL CABLES</b>	
Cable VGA 20m	to connect the video projector
Ethernet (LAN)	To interconnect the computers

<b>SENSORS</b>	
4x air pressure sensors	For measuring breathing from the spectators
4x microphones	For sound processing breathing sound
<b>MASKS</b>	
100x anaesthesia masks	4 sizes of masks (Adult= large, medium, small) (Kid= medium) Reusable after being disinfected
Bacteria filters	Non reusable Price per unit 1€
Disinfectant	For cleaning the masks
<b>PLATFORM</b>	
Wooden frame <sup>1</sup>	4,80x5,40x0,12m (WxLxH)
Metal (zinc) pool <sup>2</sup>	1,80x2,40x0,03m (WxLxH)
White ink	7lt ink x 150m <sup>3</sup> of water
4x stones	"Chairs" for the spectators