

Lungs [the breather] v.1.0

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

ROOM MEASUREMENTS	
Lungs + room	Min. 7,30x7x4,50m (WxLxH)
Technical Ceiling	to hang projector
Waiting room	To wait and install the masks before entering
COMPUTERS & SOFTWARE	
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
AUDIO	
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
VIDEOPROJECTION	
Digital DLP video projector	2500 min. lum To be hang vertically
LIGHT	
4x spots	To light to entrance and exit for the visitor
Dimmer	To dim the lights
SPECIAL CABLES	
Cable VGA 20m	to connect the video projector
Ethernet (LAN)	To interconnect the computers

SENSORS	
4x air pressure sensors	For measuring breathing from the spectators
4x microphones	For sound processing breathing sound
MASKS	
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
PLATFORM	
Wooden frame ¹	4,80x5,40x0,12m (WxLxH)
Metal (zinc) pool ²	1,80x2,40x0,03m (WxLxH)
White ink	7lt ink x 150m ³ of water
4x stones	"Chairs" for the spectators