













SYNCHRON

Berlin, Germany

2005

	01 HORIZONT IN visual type: B1 midi note number: F1	smpte: 00:00:00.00 00:52:16.20	bar: 1 1 1 1 27 2 15 9		06.1 QUANTA RANDOM visual type: A3 midi note number: D#1	smpte: 10:40:10.00 13:40:10.00	bar: 321 1 39 9 411 1 39 9
	01 HORIZONT IN visual type: B3 midi note number: A1	smpte: 00:52:16.20 00:52:20.00	bar: 27 2 15 9 27 2 29 17		06.2.1 SECTION visual type: ? midi note number: ?	smpte: 13:40:10.00 13:50:20.00	bar: 411 1 39 9 416 2 29 18
	02 FELD visual type: C+B3 midi note number: D2+A1	smpte: 00:52:20.00 02:25:17.40	bar: 27 2 29 17 73 4 20 5		06.2.2 SCAN visual type: B2.1 midi note number: G1	smpte: 13:50:20.00 13:52:00.00	bar: 416 2 29 18 417 1 1 1
	03 CODE visual type: A2+B3 midi note number: C#1+A1	smpte: 02:25:17.40 04:24:20.00	bar: 73 4 20 5 133 2 29 17		06.3 QUANTA GRID visual type: C midi note number: D2	smpte: 13:52:00.00 15:39:10.00	bar: 417 1 1 1 470 3 39 9
	04 TONE visual type: A2.1 midi note number: D1	smpte: 04:24:20.00 06:29:15.17	bar: 133 2 29 17 195 4 11 9		07 BITWAVE visual type: B4.3 midi note number: C#2	smpte: 15:39:10.00 19:46:05.00	bar: 470 3 39 9 594 1 20 5
	05 TONE ORDER visual type: A2.1+1,13 midi note number: D1+G#4,G#5	smpte: 06:29:15.17 10:40:10.00	bar: 195 4 11 9 321 1 39 9		08 HORIZONT OUT visual type: D midi note number: D#2	smpte: 19:46:05.00 21:04:15.00	bar: 594 1 20 5 633 2 10 13

» *image: LIN*

» *BSY-01-ESS-LIN-Timetable*

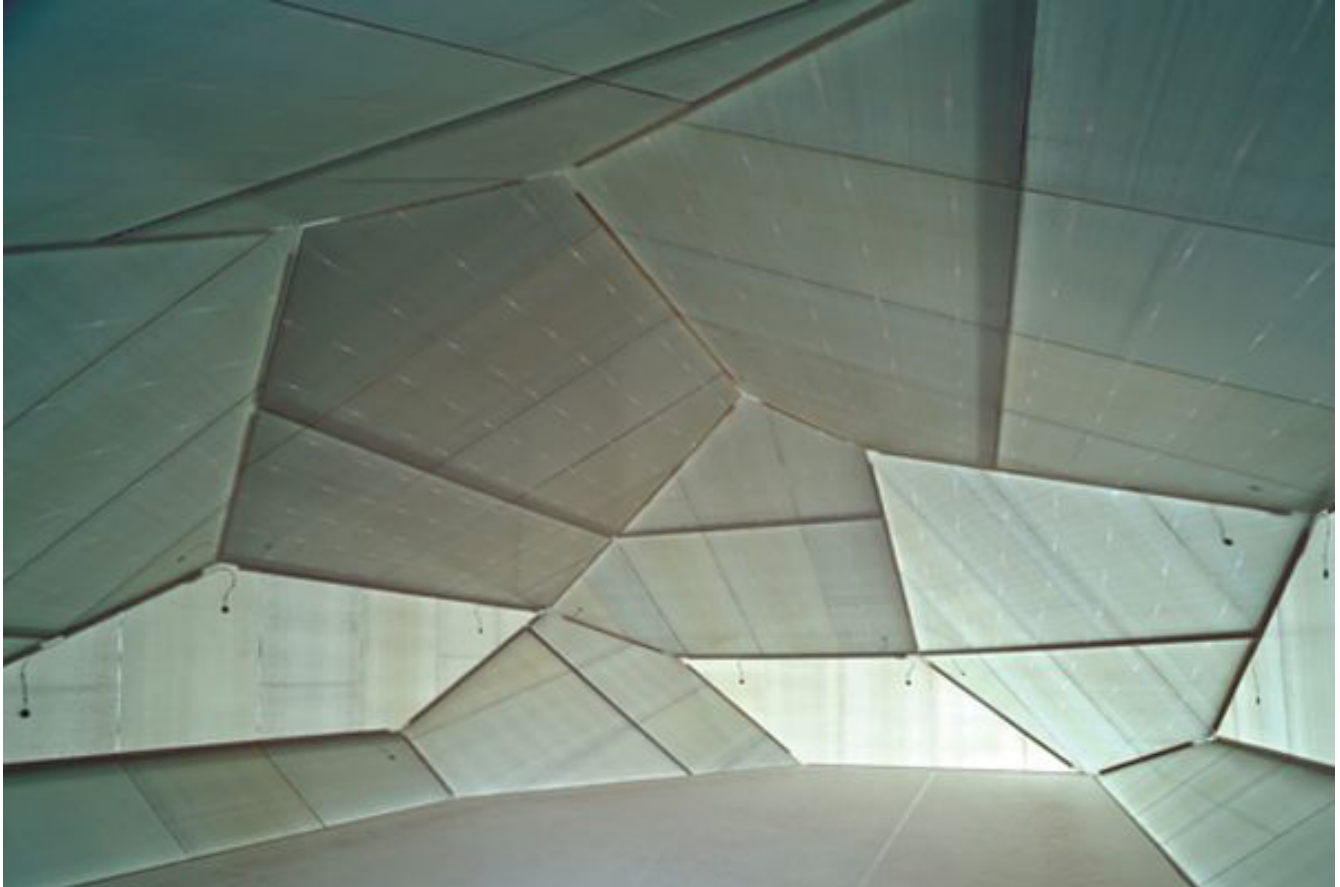
SYNCHRON
Berlin, Germany
2005



» *photograph: Christian Gahl*

» *BSY-02-ESS-LIN-skin of crystalline structure photo christian gahl*

SYNCHRON
Berlin, Germany
2005



» *photograph: Christian Gahl*

» *BSY-03-ESS-LIN-Internal view photo christian gahl*

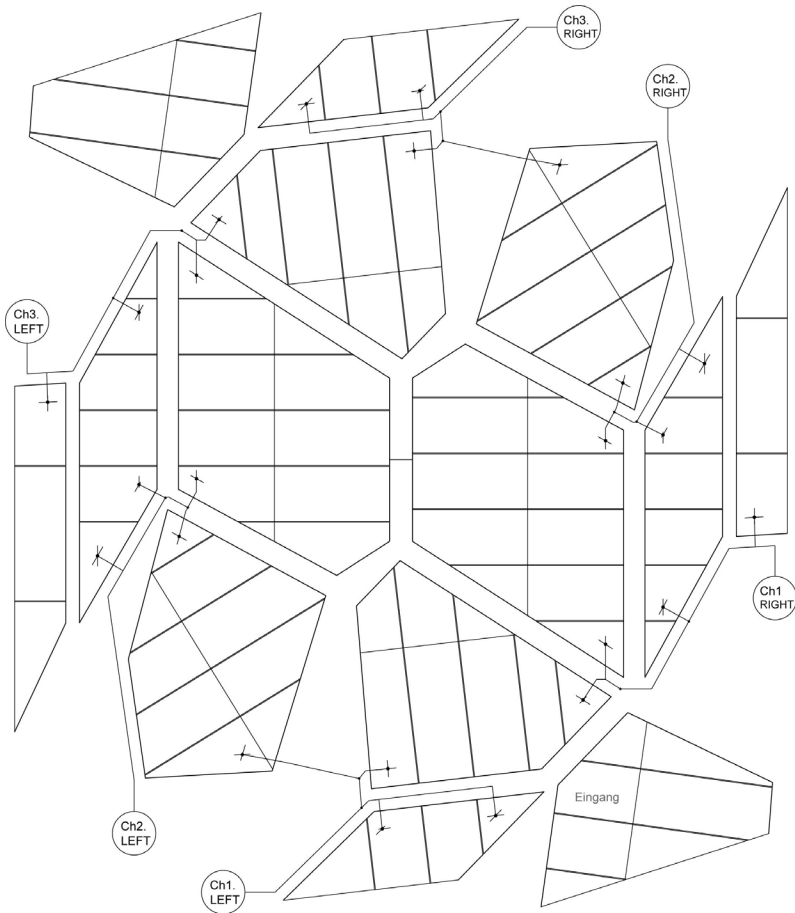
SYNCHRON
Berlin, Germany
2005



» *photograph: Christian Gahl*

» *BSY-04-ESS-LIN-technical integration (exciters) photo*

SYNCHRON
Berlin, Germany
2005



» *image: LIN*

» *BSY-05-ESS-LIN-plan*

SYNCHRON
Berlin, Germany
2005



» *photograph: Christian Gahl*

» *BSY-06-ESS-LIN-detail photo christian gahl*

SYNCHRON
Berlin, Germany
2005



» *photograph: LIN*

» *BSY-07-ESS-LIN-dismantling of the structure for future travel*

SYNCHRON

Berlin, Germany

2005

SPACE/SCULPTURE

The intention of SYN CHRON is to create an integral sculpture of light, sound and architecture. The central object, focus and display is an accessible crystal-shaped body. SYN CHRON is part of a program of performances organized by the association FREUNDE GUTER MUSIK at the NEUE NATIONALGALERIE in Berlin.

SKIN

A translucent skin serves as the interface for the synchronized display of light and sound, both on the interior and exterior of the crystal. The interior space at the same time serves as an acoustic resonance body and projection surface.

PLAN

The crystal-shaped body has a maximum extension of 10 m x 6 m with a maximal height of 4.5 m. The primary structural element is a steel tube structure following the outline of the crystal (aluminum honeycomb core and epoxy resin skin). The joint between the primary construction and the panels is formed by a milled POM-profile, onto which closable low profile fasteners fix the panels. The weight of the primary structure is 3.2 tons, whereas the panels have an overall weight of 860 kg. Material, panel sizes and joint techniques were designed for rapid assembly and easy transport.

SOUND

Sound is created and transmitted by exciters fixed onto the exterior surface of the crystal. Light is projected onto the polygonal surfaces via four laser beams.

MATERIAL

Structure: steel tubes – diameter 11.43 cm; walls 6.3 mm; steel quality s355

Panels: sandwich, core ECM aluminum honeycomb structure, double skin glass

Fiber epoxy 0.3 mm, d 30 mm

Connection profile les: POM poly-oxy-methylate

Assembly fitting: dual lock fastener

CONTEXT

After its stay in Berlin, SYN CHRON heads to the SIA Congress and Bern Biennale in Bern (CH) and the Yamaguchi Center for Arts and Media, Yamaguchi (JP).

Fiber epoxy 0.3 mm, d 30 mm

Connection profile les: POM poly-oxy-methylate

Assembly fitting: dual lock fastener