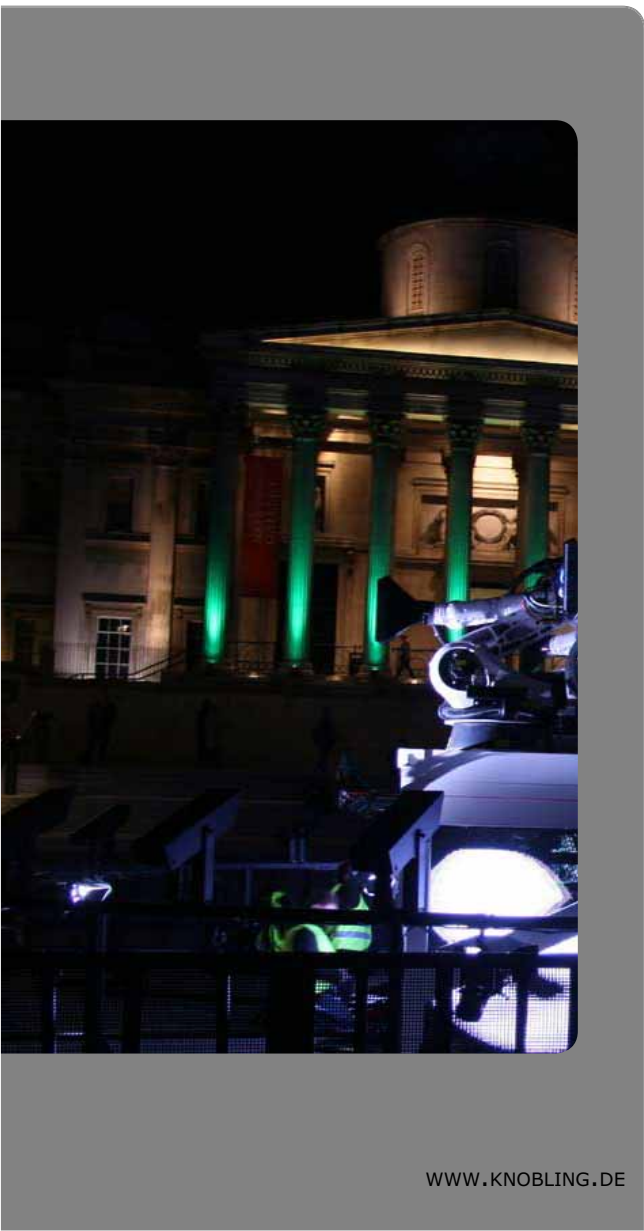


ENGINEERING

MANUFACTURING

PROJECT MANAGEMENT



OUTRACE

AN INSTALLATION FOR TRAFALGAR SQUARE IN LONDON
16. SEPTEMBER - 23. SEPTEMBER 2010

DESIGNED BY CLEMENS WEISSHAAR & REED KRAM
COMMISSIONED BY THE LONDON DESIGN FESTIVAL
SUPPORTED BY AUDI



KRAM / WEISSHAAR

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MANUFACTURING

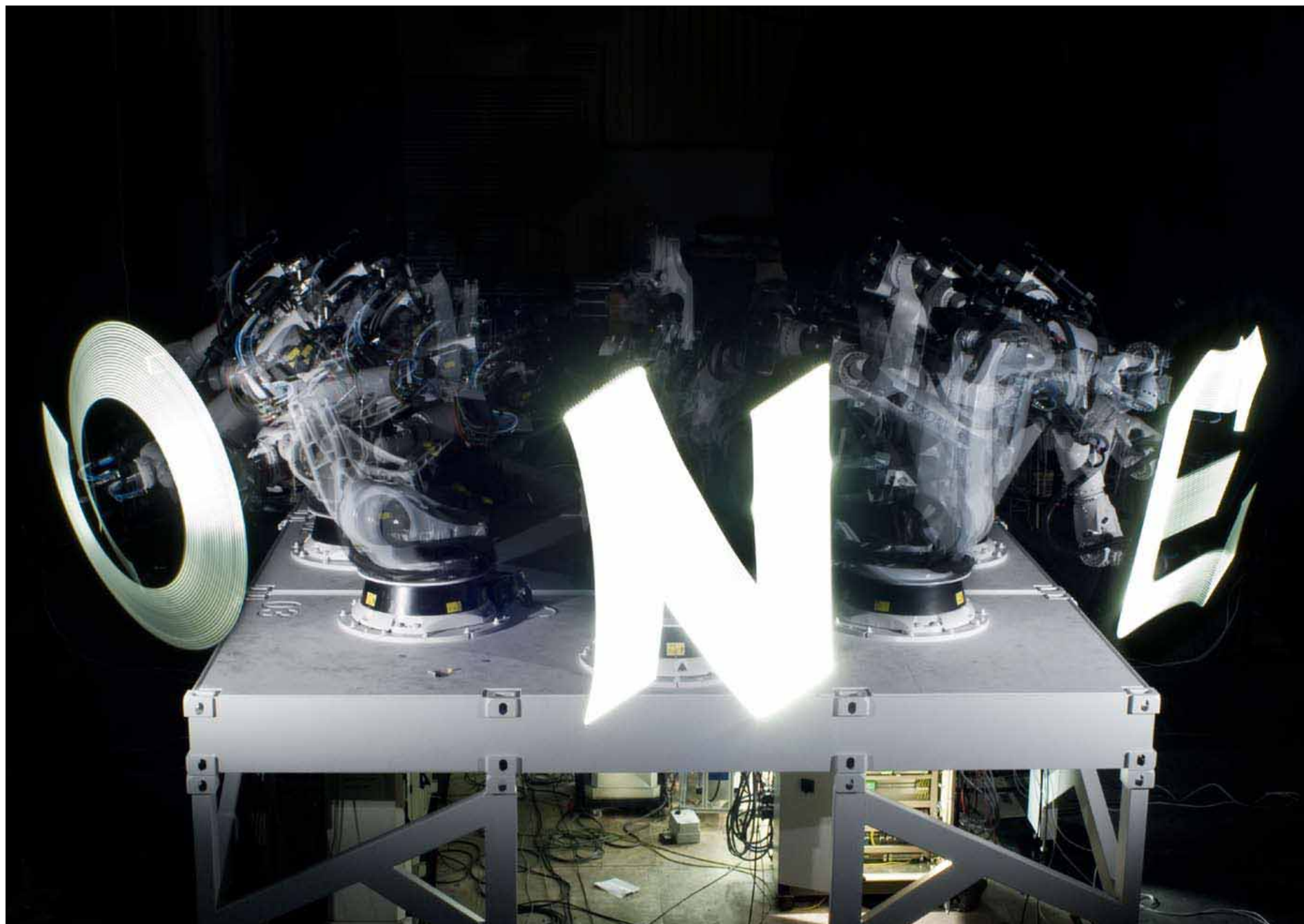
PROJECT MANAGEMENT

THE INSTALLATION **OUTRACE** CONSISTS OF **8** LARGE-SCALE INDUSTRIAL ROBOTS ON LOAN FROM **AUDI'S** INGOLSTADT PRODUCTION LINES. A POWERFUL **LED** LIGHT SOURCE IS POSITIONED AT THE TOOL HEAD OF EACH ROBOT. BY LOGGING INTO WWW.OUTRACE.ORG WITH A MOBILE DEVICE OR COMPUTER A GLOBAL AUDIENCE AS WELL AS VISITORS TO **TRAFALGAR SQUARE** ARE EMPOWERED TO DIRECT THE PATH OF THE LIGHT HELD BY EACH ROBOTIC TENTACLE, CREATING A LETTER TRACE AND TEXT MESSAGE ON THIS MOST PUBLIC SQUARE. LONG-EXPOSURE CAMERAS CAPTURE THE INTERACTIVE LIGHT PAINTINGS AND RELAY THEM TO THE PROJECT WEBSITE AND SOCIAL MEDIA PLATFORMS TO BE SHARED.

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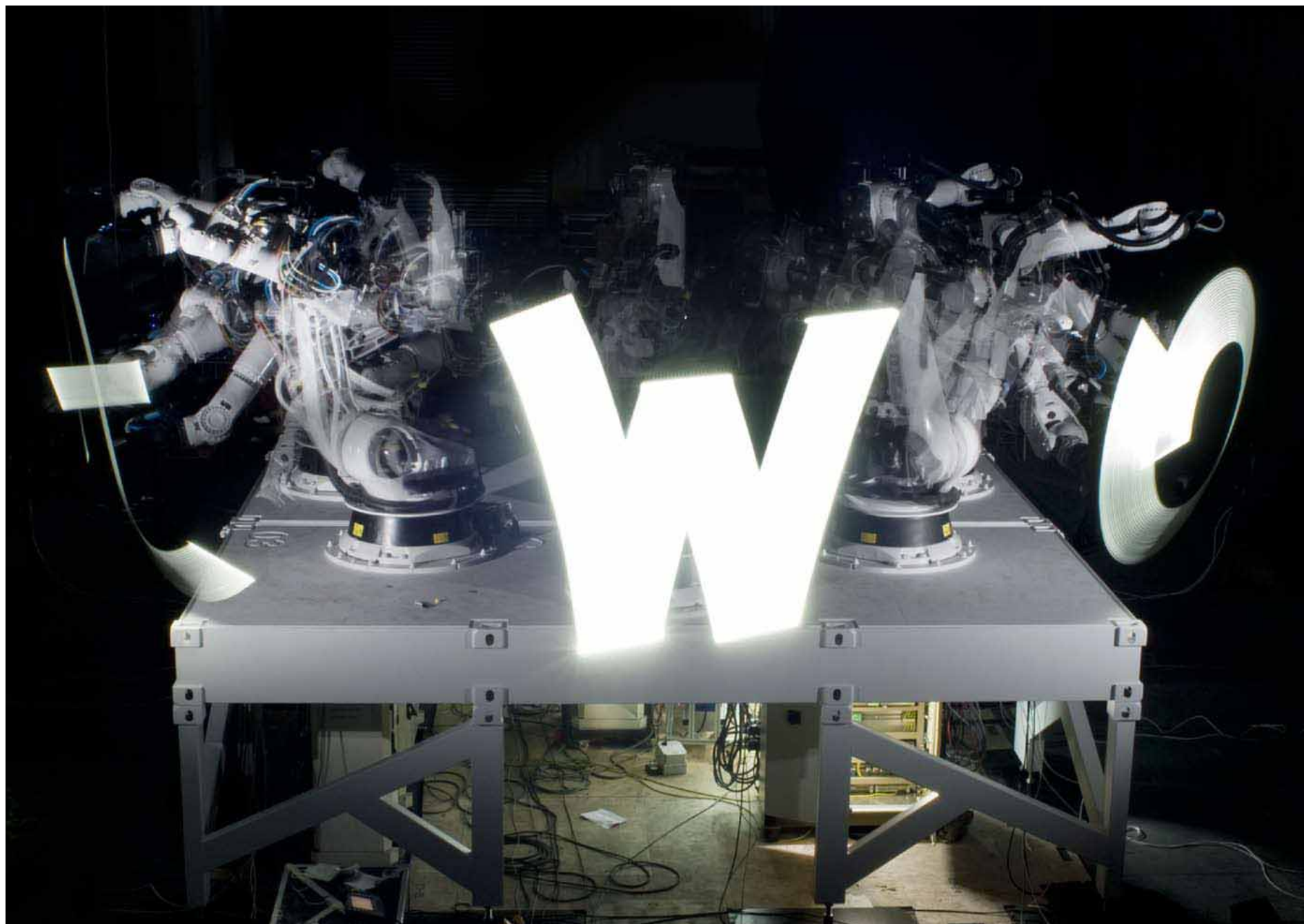
PROJECT MANAGEMENT



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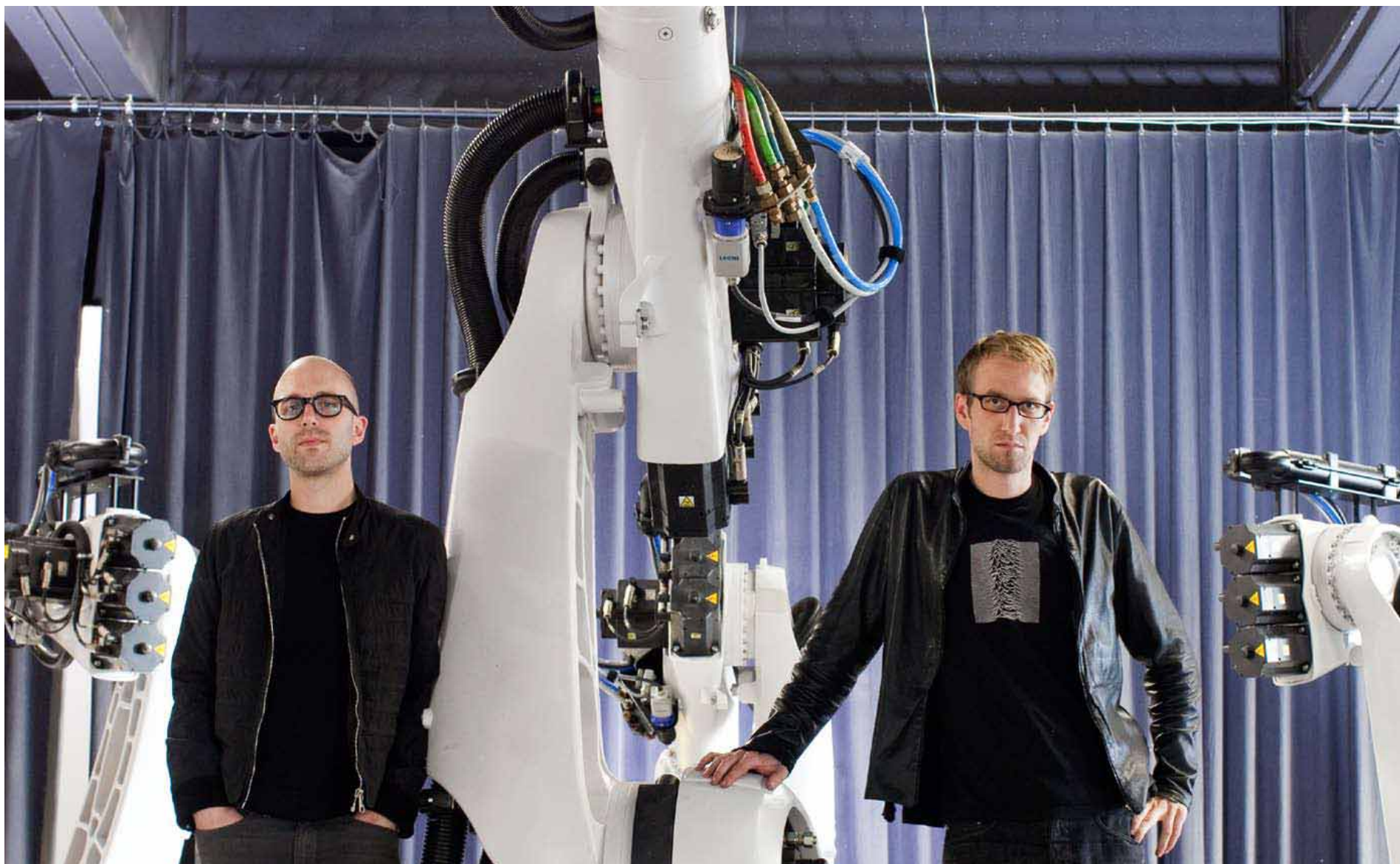
PROJECT MANAGEMENT



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PROJECT MANAGEMENT



REED KRAM

CLEMENS WEISSHAAR



STAHLBAU DER CONTAINERFLATBEDS

STARTSCHUSS DER PRODUKTION IM JULI 20010



BETONIEREN DER FLATBEDS

JULI 2010



MONTAGE DER ROBTERGRUNDPLATTEN

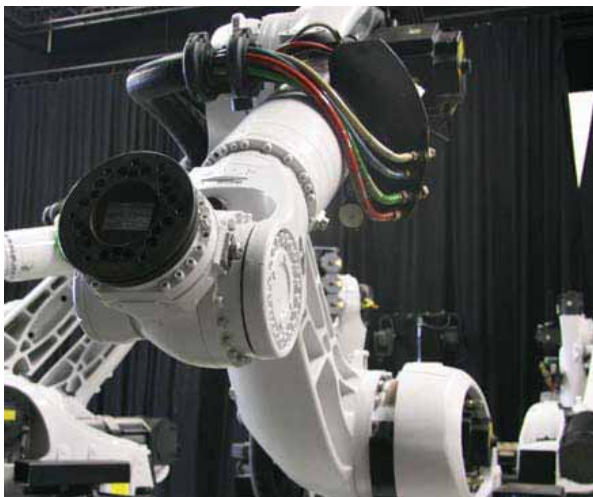
JULI 2010



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ROBOTERMONTAGE

IM JULI 20010



VORBEREITUNG TESTLAUF

JULI 2010



VORBEREITUNG TESTLAUF

JULI 2010





TESTLÄUFE INGOLSTADT



VERKABELINGEN DURCH AUDI KUKA UND FEE



UMZUG INS FREIE FÜR DIE WETTERTESTS





TESTLÄUFE INGOLSTADT



TA ROADSHOW (TOM UND SIGGI VOLLAND) , SVEN KNOBLING



UMZUG INS FREIE FÜR DIE WETTERTESTS





TRACKWAY-SCHUTZBELAG FÜR DIE LKW UND KRANBEWEGUNGEN AUF DEM TRAFALGAR SQUARE IN LONDON



EINZÄUNUNGEN DES TRAFALGAR SQUARES FÜR DIE GESAMTE AUFBAUZEIT



LEGEN DER BODENSCHABLONEN





EINSTELLEN DER HÖHEN DER SUBCONSTRUCTION



EINHEBEN DER FLATBEDS



EINBAU DER LED-WÄNDE



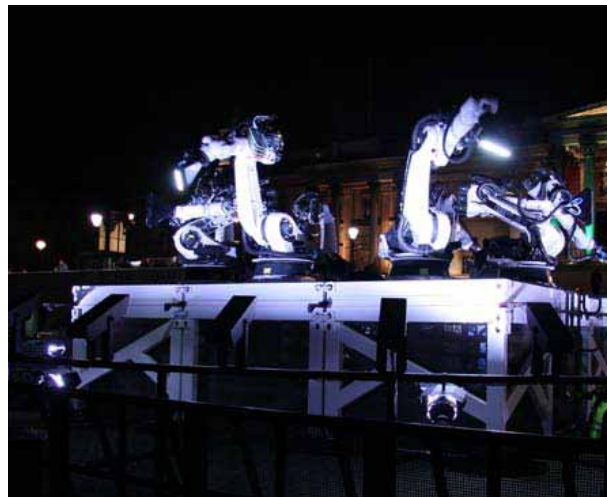
ENGINEERING

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PROJECT MANAGEMENT



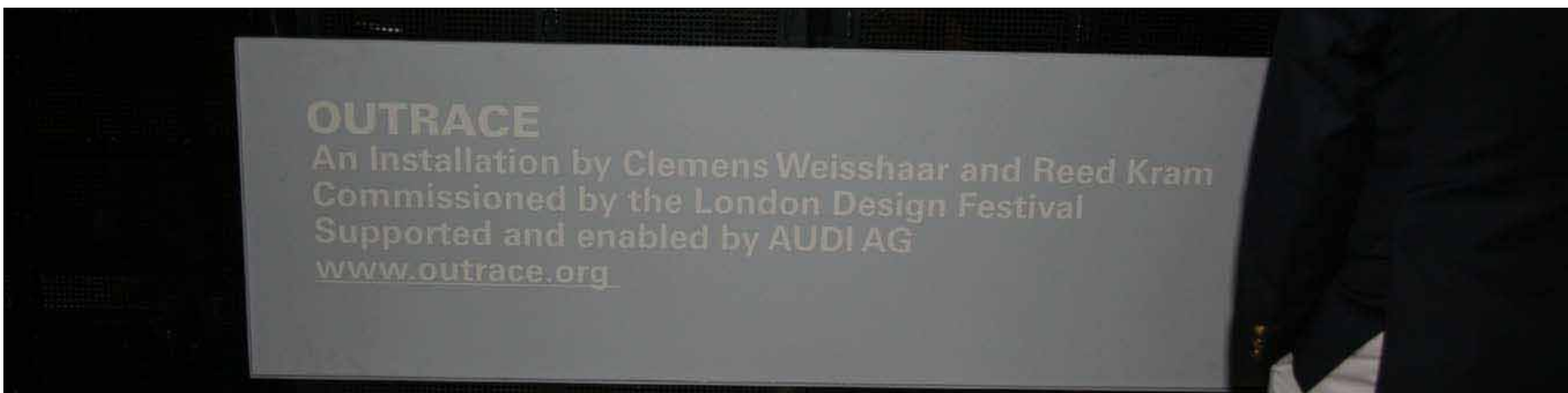
ENDE DER AUFBAUARBEITEN

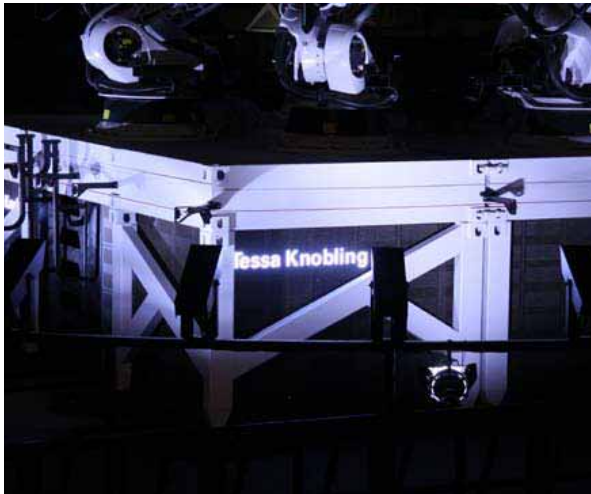


TESTS NACHTS VOR DER NATIONAL GALLERY

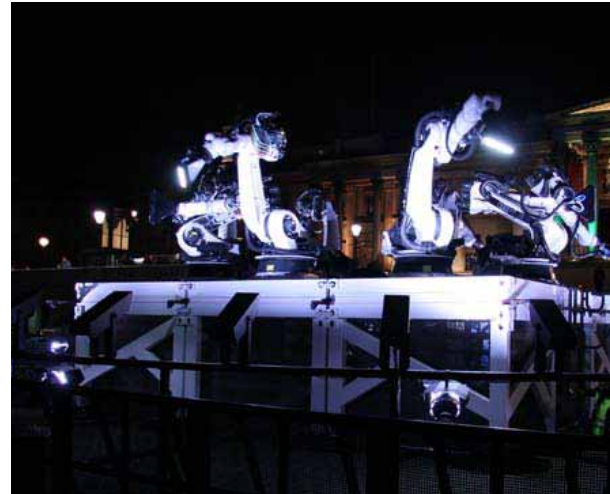


TESTS TAGSÜBER





NACHRICHT VON TESSA KNOBLING



OUTRACE BEI NACHT



BEEINDRUCKENDE KULISSE DER OUTRACE INSTALLATION



ENGINEERING

MANUFACTURING

PROJECT MANAGEMENT

OUTRACE

AN INSTALLATION FOR TRAFALGAR SQUARE IN LONDON
16. SEPTEMBER - 23. SEPTEMBER 2010

DESIGNED BY CLEMENS WEISSHAAR & REED KRAM
COMMISSIONED BY THE LONDON DESIGN FESTIVAL
ENABLED AND SUPPORTED BY AUDI

ZEICHNUNGEN & SPEZIFIKATIONEN
DRAWINGS & SPECIFICATIONS

EVENT
OPERATIONS
V04 23.8.2010

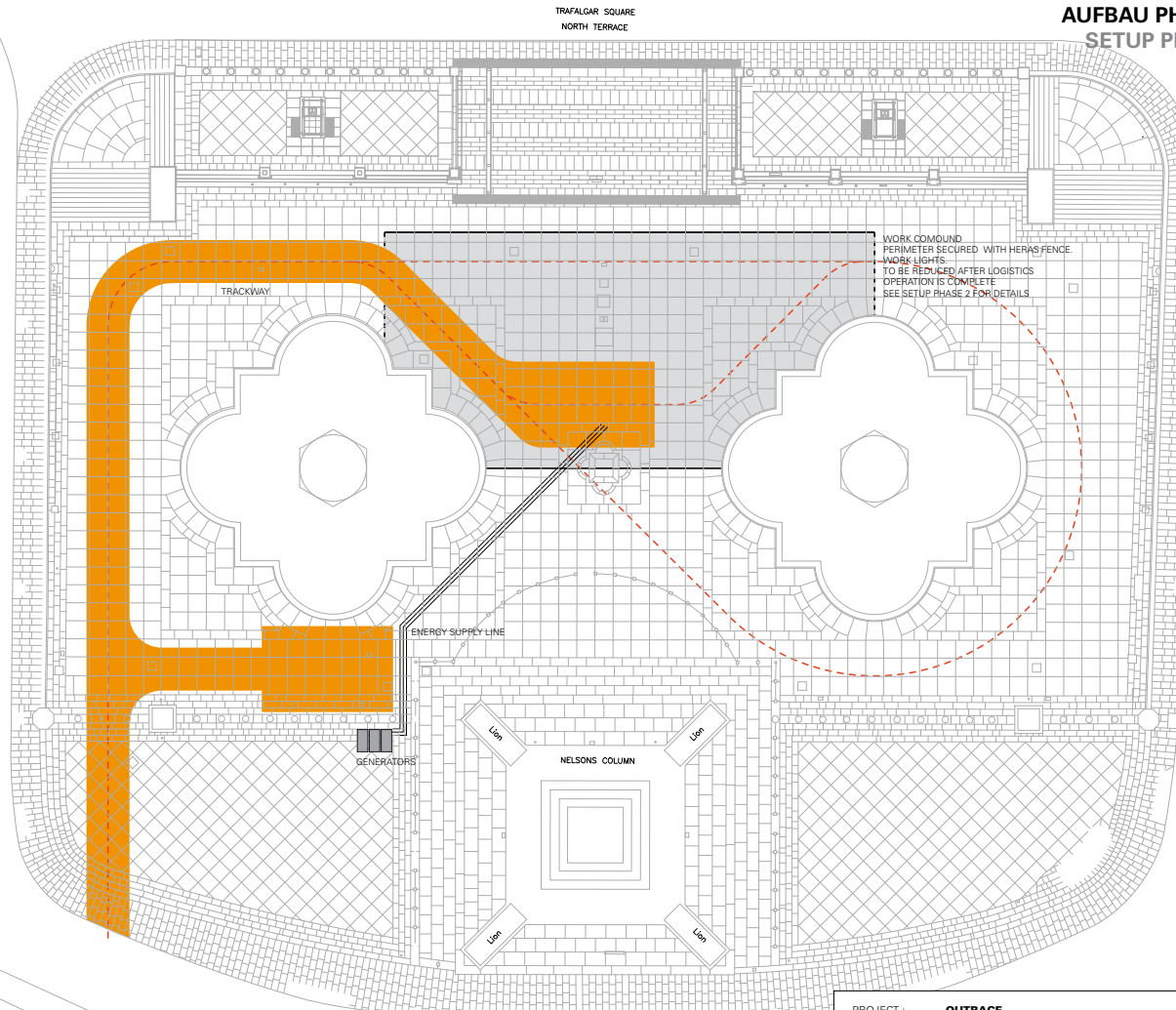


Audi

KRAM/WEISSHAAR

[illegible]

VORABZUG
DRAFT



AUFBAU PHASE 0: VORBEREITUNG
SETUP PHASE 0: PREPARATIONS
13.09.2010 20:00h
/ 13.09.2010 22:00 h

PROJECT : **OUTRACE**
TRAFALGAR SQUARE, LONDON
16 - 23. September 2010
EVENT OPERATIONS
VERSION: V 1.0
SCALE: 1 : 400 at DIN A3
DATE: 21.08.2010
DRAWN: cw
DESIGN: Clemens Weisshaar & Reed Kram
©: KRAM/WEISSHAAR AB

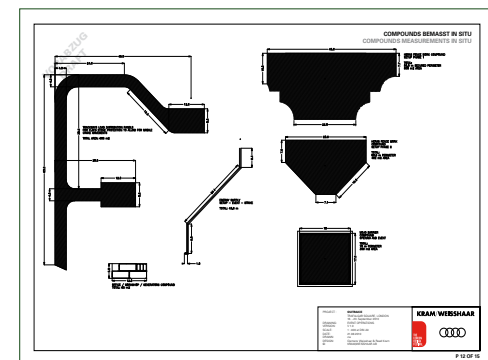
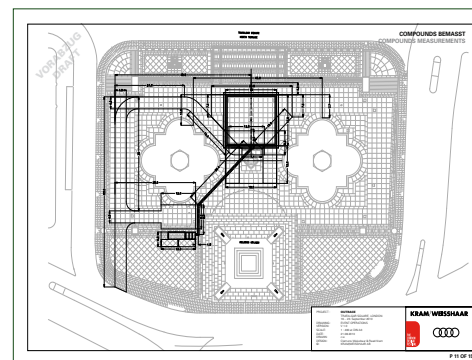
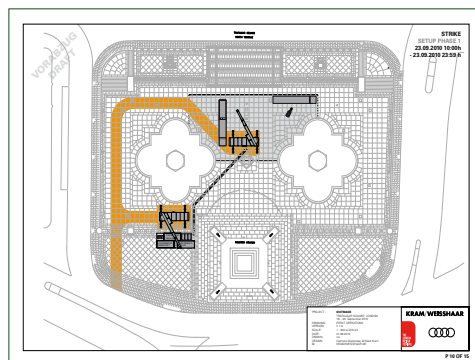
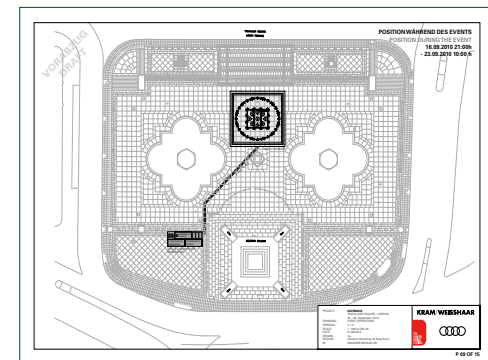
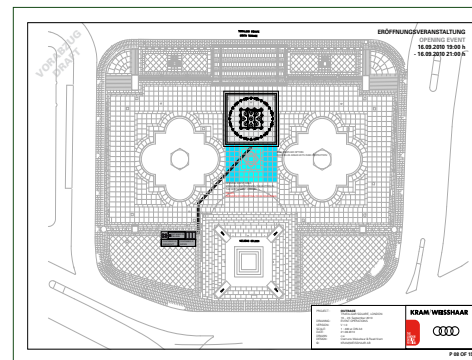
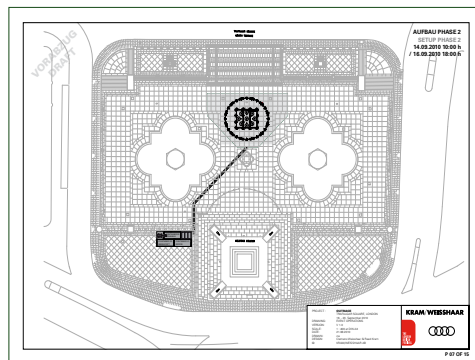
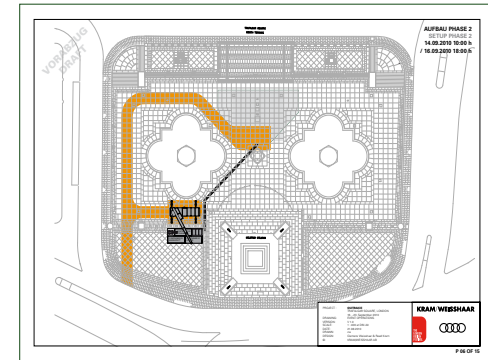
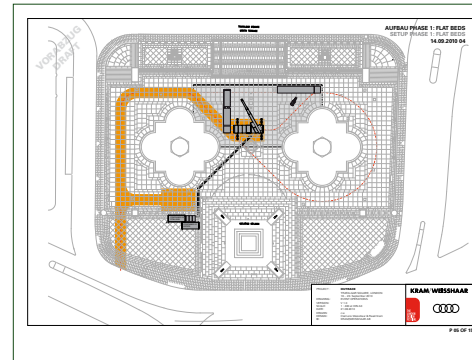
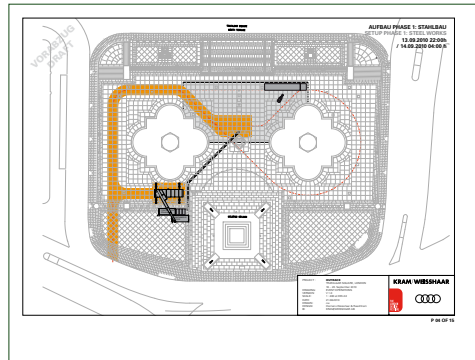
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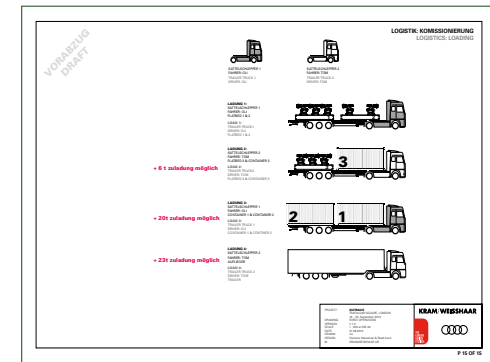
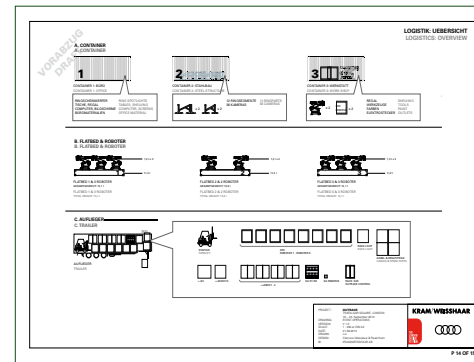
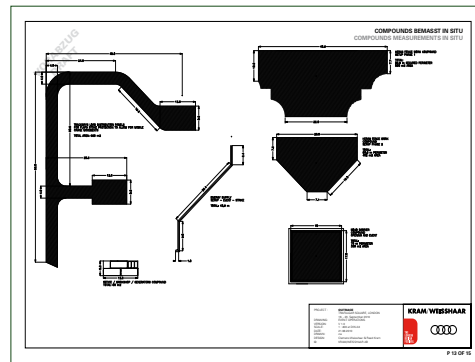


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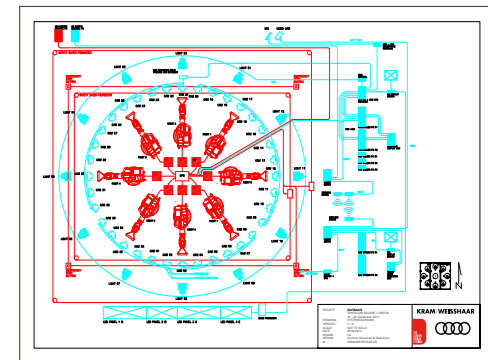
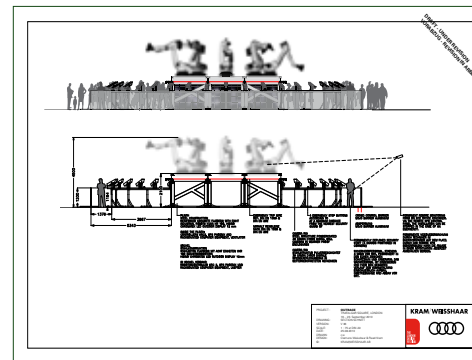
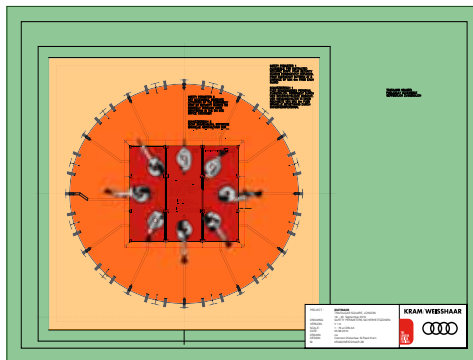
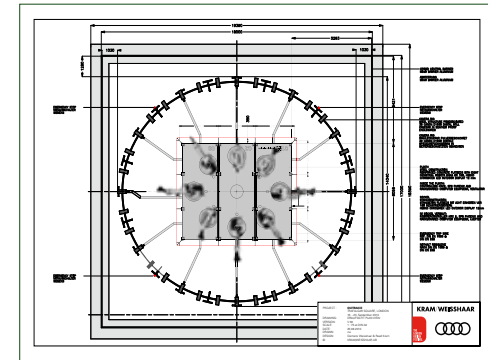
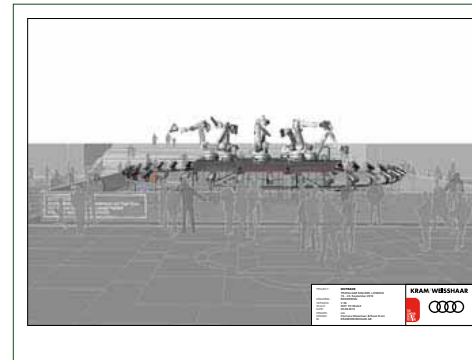
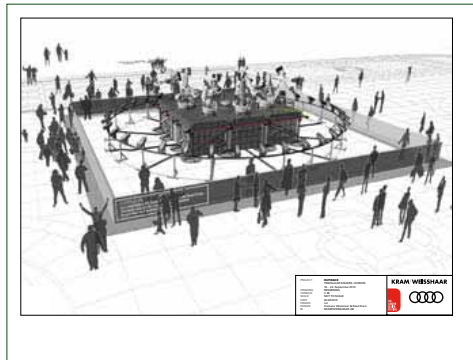




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DRAWINGS & SPECIFICATIONS

ARCHITECTURE
V36 25.8.2010



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