SERVICE 3D-SCAN

in the field

engineering

Improved productivity

Sound basis for subsequent





Excellent plant data gathering with Steinmüller Engineering Laser scan service.

For investigations of layout and to enable future 3D-planning it is recommended to carry out a 3D-Laserscan. Especially for modernization, where the selected concept is planned to be investigated in more detail, a 3D-scan of your plant house gives support. The 3D-scan can also be used for all other future activities such as planning of erection works, maintenance or the development of detailed layout and arrangement of required components.

The 3D-scan includes the outer surfaces of the components in the near distance of your plant itself. The result will be pictures and a point cloud:

APPLICATION TECHNICAL DATA SERVICES Hardware Fields of Application Scanning of required area/ plant ■ Leica RTC360 Preparation for modification Registration and processing phases • Resolution 3, 6 or 12mm (at a of point clouds distance of 10m) As built documentation Delivery of point cloud in Better planning of future Scan distance 0.5m to 130m required format Maintenance Scan range 360°x 300° Delivery of true views and • Reverse Engineering 36MP HDR photo HDR images Tablet for site activities **BENEFITS** Software **VALUE ADDED SERVICES** • Leica Cyclone Register 360 Accurate as-built data • 3D CAD Modelling using the Output as a ReCap format collection with HDR images point cloud data Virtual tour with Leica Reduced time and resources Handover of point cloud data

TrueView (available for our

Post-processing of the point

cloud in Autodesk Inventor

customers as freeware)

c/w 3D-model

numbers

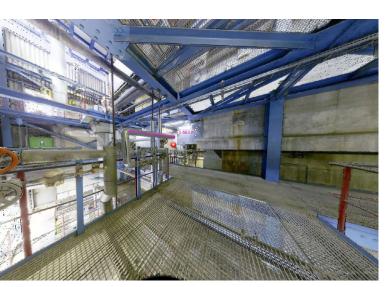
Linking of component details

via system identification



REFERENCE LIST EXCERPT

PROJECT	NO. OF SCAN POSITIONS	NO. OF SCAN LEVELS/ FLOORS	OBJECT
LEAG Lippendorf Block R	250	4	Flue gas desulfurisation plant (2 absorbers)
GKS Schweinfurt	111	4	Boiler house
LEAG Lippendorf Block S	211	4	Flue gas desulfurisation plant (2 absorbers)
Sappi Stockstadt Mill K8 + K9	213	12	Boiler houses K8 and K9
Slovnaft Refinery boiler 1	105	6	Boiler house
Slovnaft Refinery boiler 2	105	6	Boiler house
Slovnaft Refinery boiler 3	112	7	Boiler house



Point Cloud with HDR-Images in a virtual tour



Point Cloud View

TURN OUR EXPERIENCE INTO YOUR ADVANTAGE!

CONTACT

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