

INNOVATIVE ENERGIE – UND GEBÄUDELÖSUNGEN AUS
ÖSTERREICH CHANCEN IM ARABISCHEN RAUM

SZDL – Al Ain > PV Anlage

12. Juni 2014

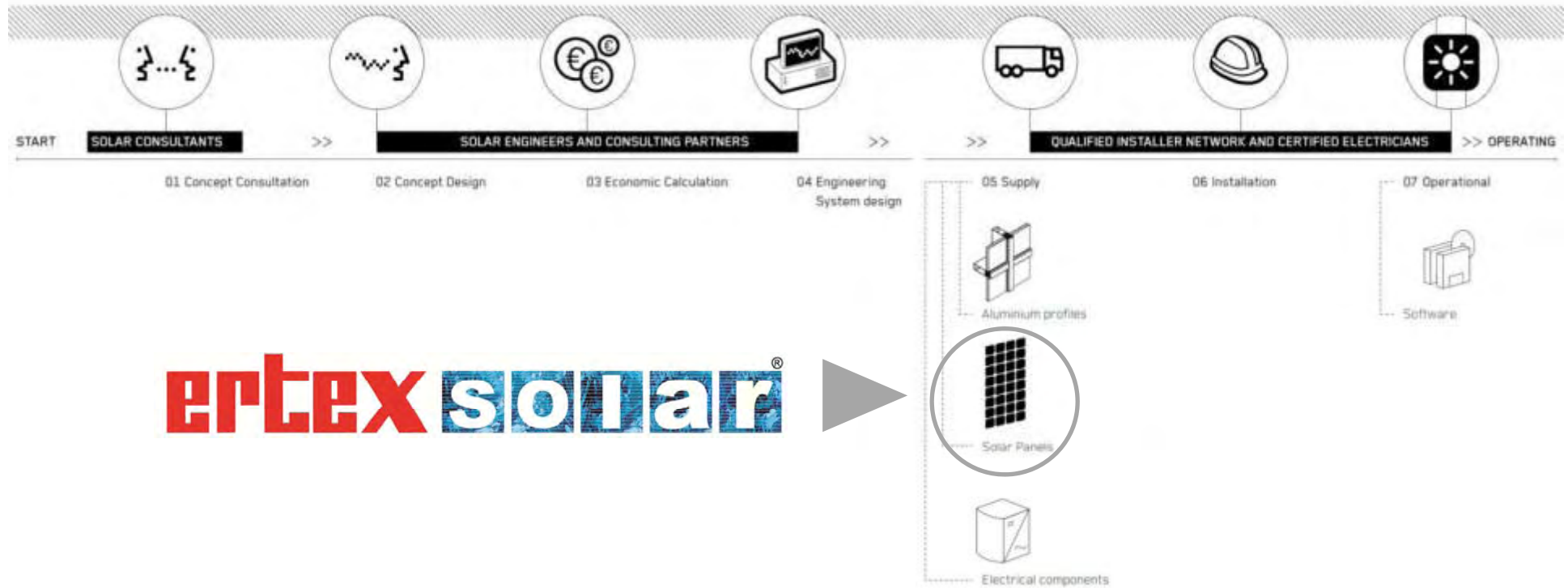
Projekterfahrungen

weitere Aktivitäten im arabischen Raum

ertex solar[®]

DI Dieter Moor

Geschäftsfeld ertex solar / business of ertex solar



Geschichtliche Entwicklung / Milestones



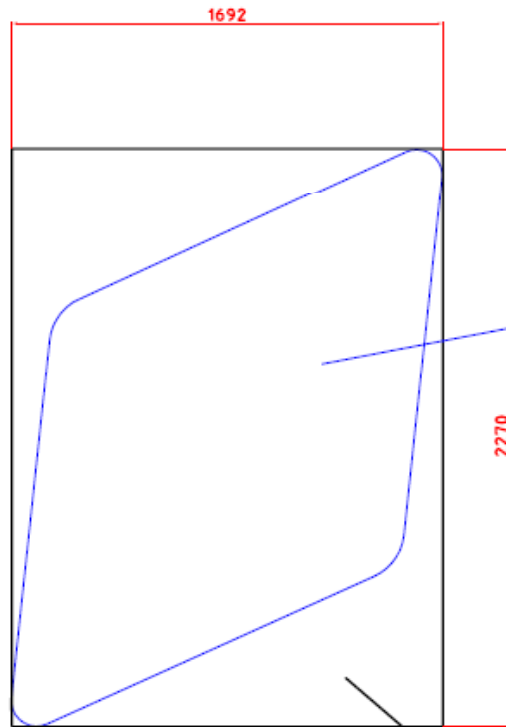
Idea „VSG Photovoltaik“
ertex solartechnik GmbH established
first reference projects
first bigger reference projects
projects.....
own production line
ertex solar GmbH active
IEC Certification, ERP System
DIBt, MCS 0017



Geschichtliche Entwicklung SZDLC



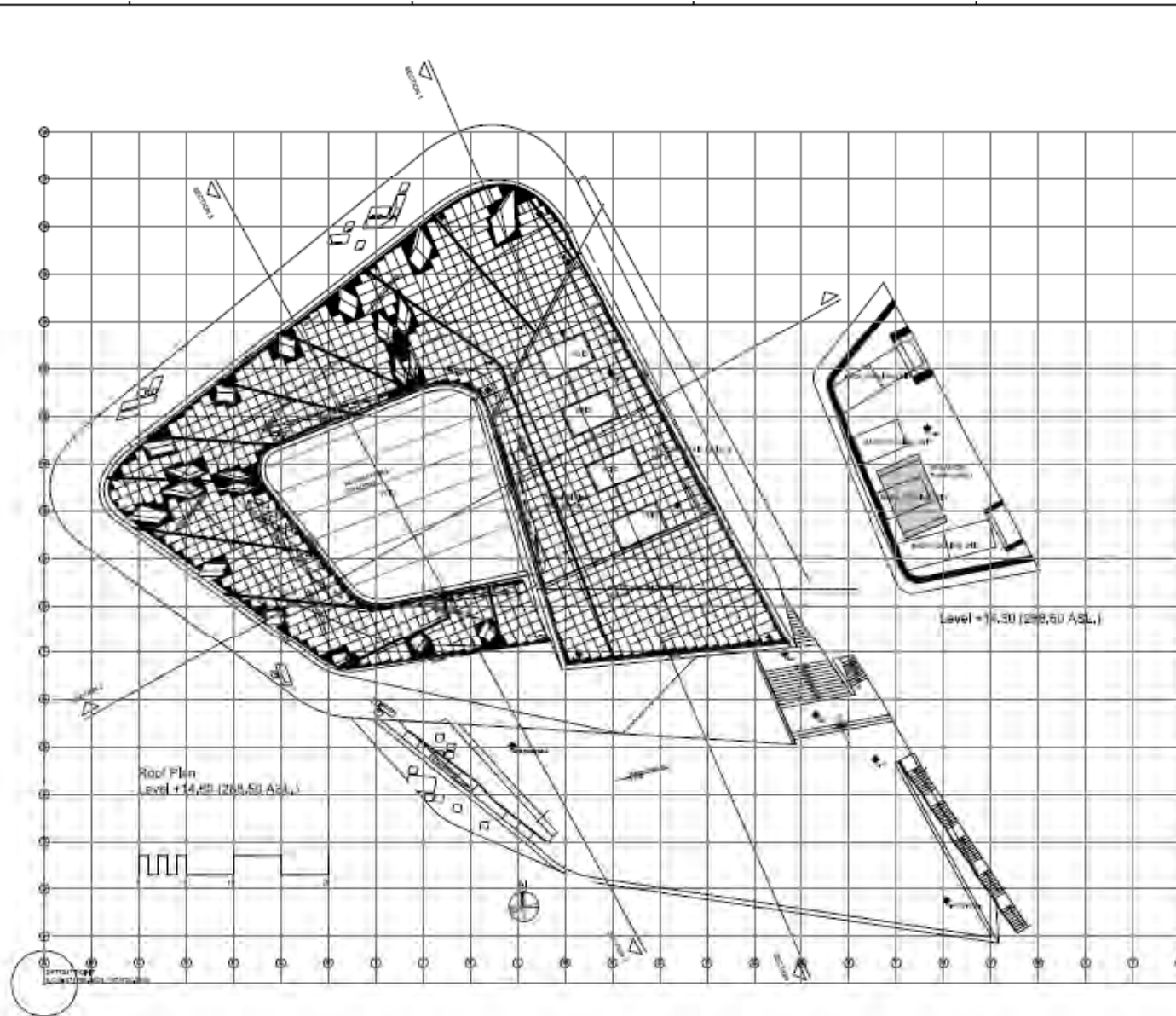
Erstentwurf > Design



needed glass
area for
module $2,47\text{m}^2$

needed
producing
glass area for
module $3,84\text{m}^2$

Zweitentwurf > Design



GENERAL NOTES

1. All dimensions are in meters unless otherwise specified.
2. All levels are given in meters above sea level (ASL).
3. The grid lines are spaced at 1.50m intervals.
4. The drawing is a preliminary design and subject to change.
5. All materials and construction details are to be confirmed with the contractor.

NO.	DESCRIPTION	UNIT	QUANTITY	REMARKS

REVISIONS

NO.	DESCRIPTION	DATE

PROJECT INFORMATION

Project Name: **SMITH ZAYAT**

Client: **SMITH ZAYAT**

Location: **BAHRAIN**

Scale: 1:500

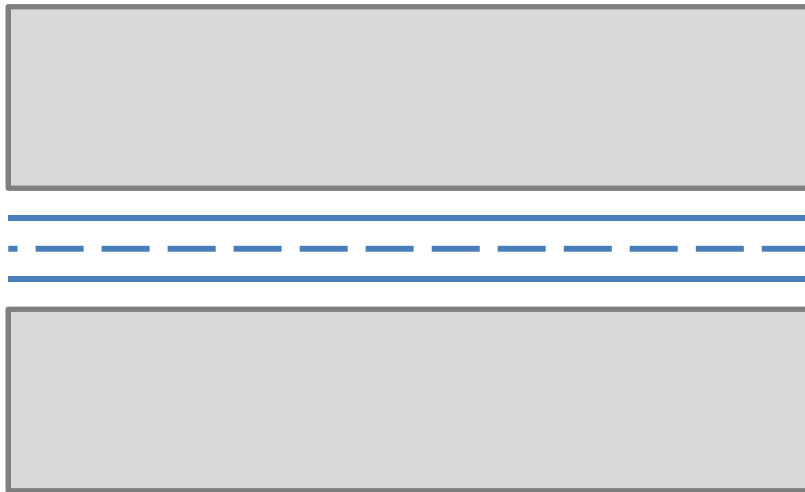
Design Stage: **PRELIMINARY DESIGN**

Project No: **2023-01**

Sheet No: **01/20**

DATE:	2023-10-27
PROJECT:	SMITH ZAYAT
DESIGNER:	SMITH ZAYAT
CHECKER:	SMITH ZAYAT
SCALE:	1:500
TITLE:	FLOOR PLAN
NO.:	01/20

Erstentwurf > Statik



10 mm ESG low iron

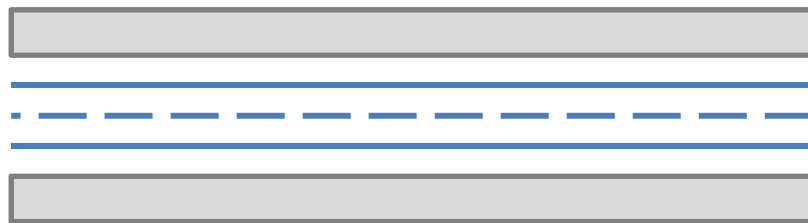
PVB Folie

Zellnetz

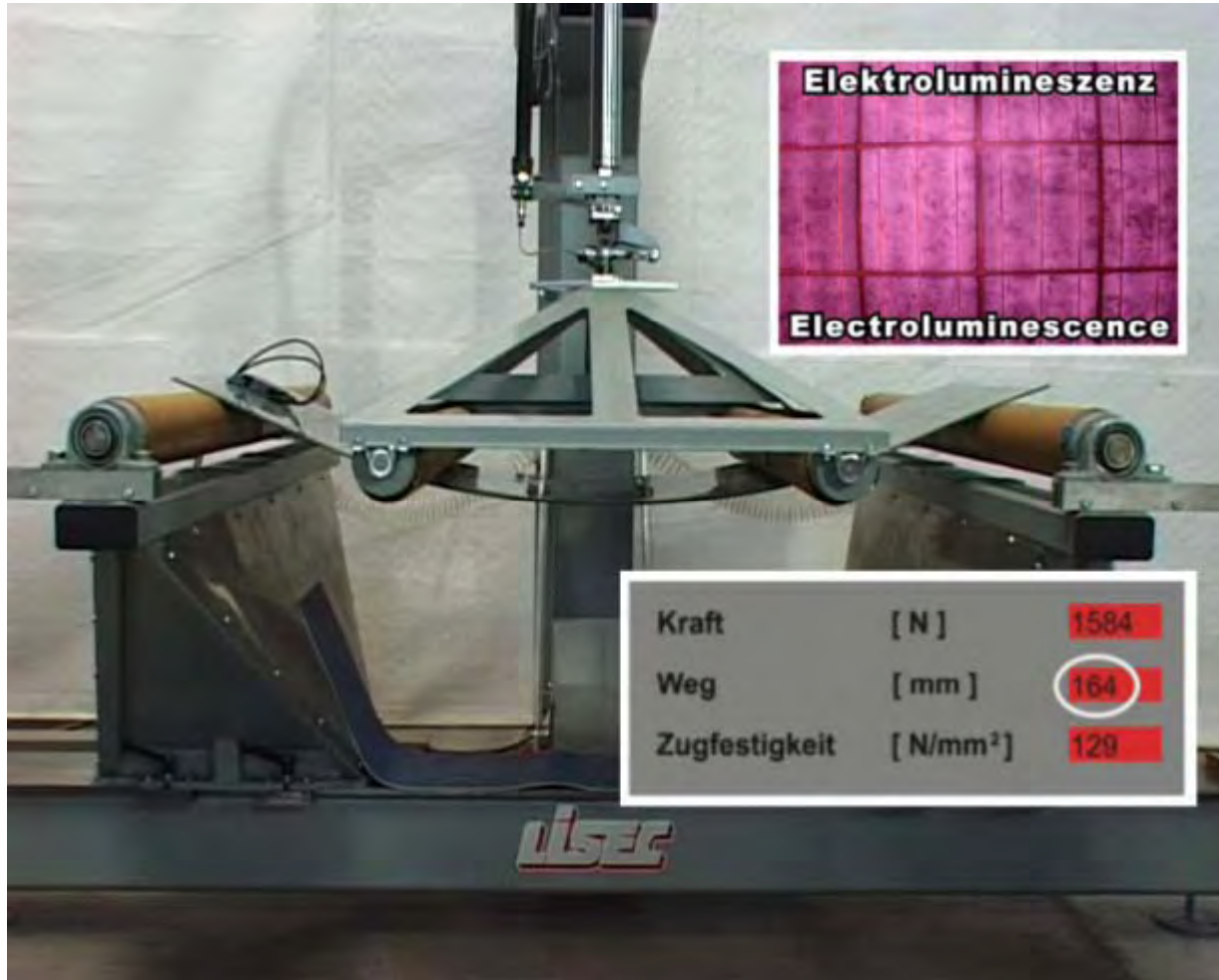
PVB Folie

10 mm ESG

Zweitentwurf > Statik



2 mm TVG
PVB Folie
Zellnetz
PVB Folie
2 mm TVG

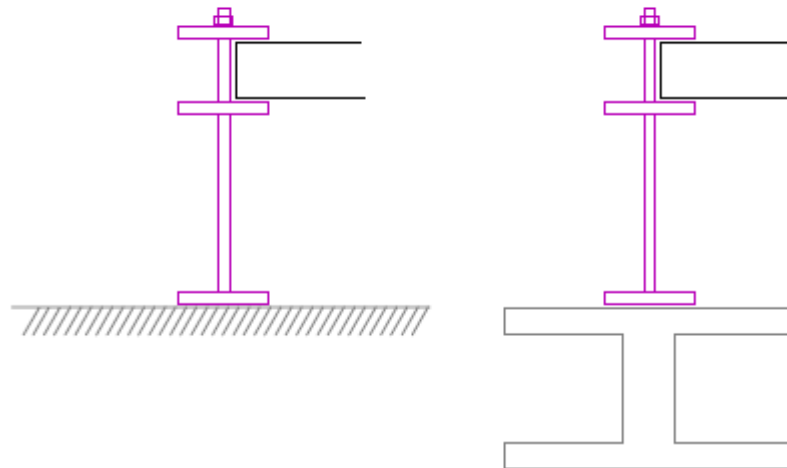


Elektrolumineszenz
Electroluminescence

Kraft	[N]	1584
Weg	[mm]	164
Zugfestigkeit	[N/mm ²]	129

ILSC

Erstentwurf > Montage



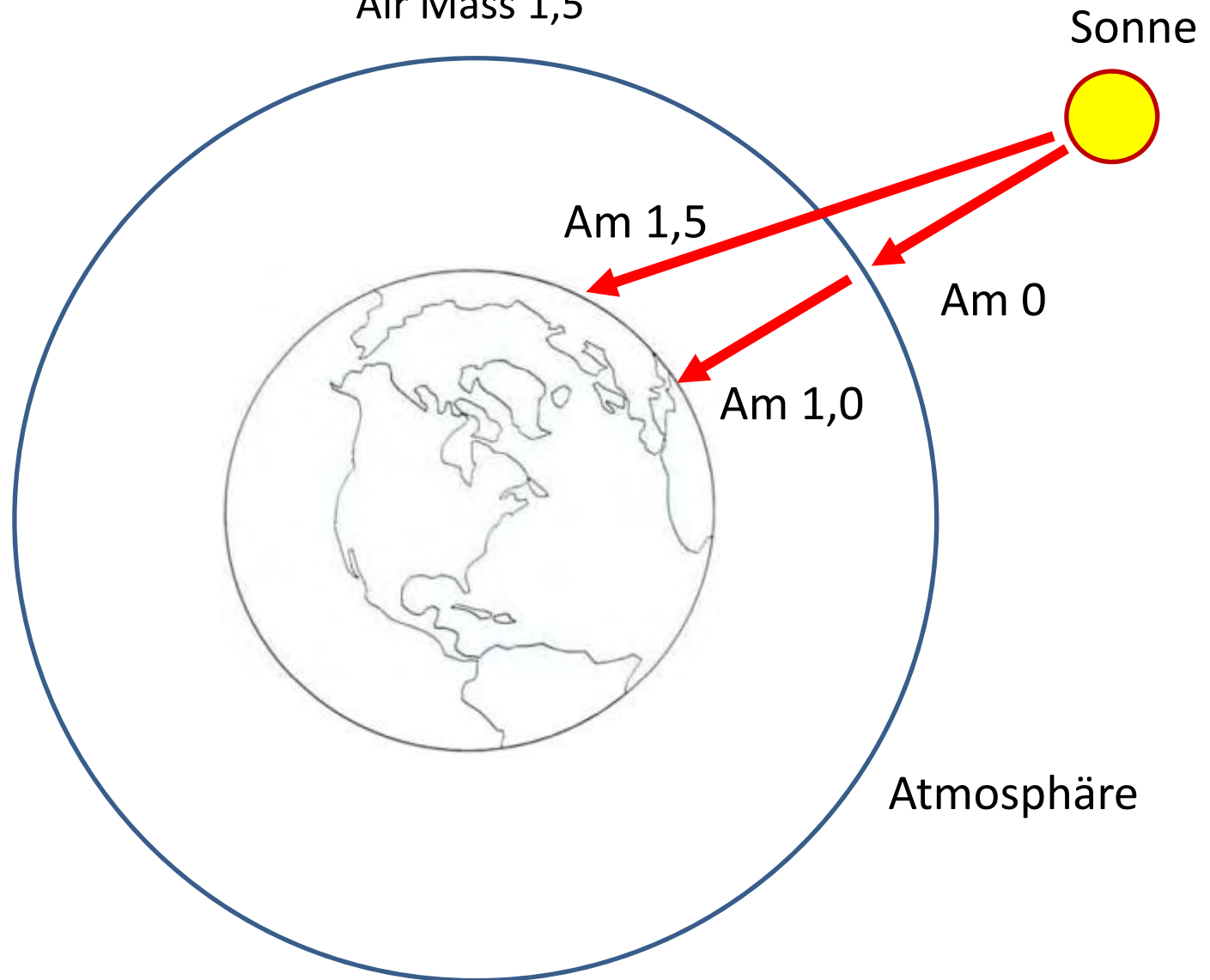
„Probleme“

STC standard test conditions

Temperatur 25° C

Einstrahlung 1.000 W/m²

Air Mass 1,5



Auswirkung





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