

Road and Bridge Construction Labour intensive works, esp. in India and Afghanistan



Road Bed Preparation ... labour-intensive works ... Material supply to site, start up activities



Push and Pull with dozer and scrapper



Base Course, built-in with finisher

Currently there are no photos available about my different Bridge construction sites with the Methods of construction:

1_ **Bracing scaffolding** with the shuttering / formwork

- a) light scaffolding
- b) heavy duty scaffolding with shoring / load bearing towers with the longitudinal and transversal beams, head spindles, pillars, lowering device on the base plates/footings

2_ **Formwork carriage** / advance / feeder

with the casting segments below or above superstructure shuttering with the steel waler joints, heavy duty spindles with the external and internal formwork and flotation control

3_ **Incremental Launching**

Methods with the stationary field factory, the rigs, hydraulic system / jacking and evtl. auxiliary pylons

4_ **Balanced Cantilever Construction** either with hollow box girder and TT-Cross-Sections or prefabricated components.

Energy Germany : 125 m cooling tower and tall stair case towers



India ... HVDC2500



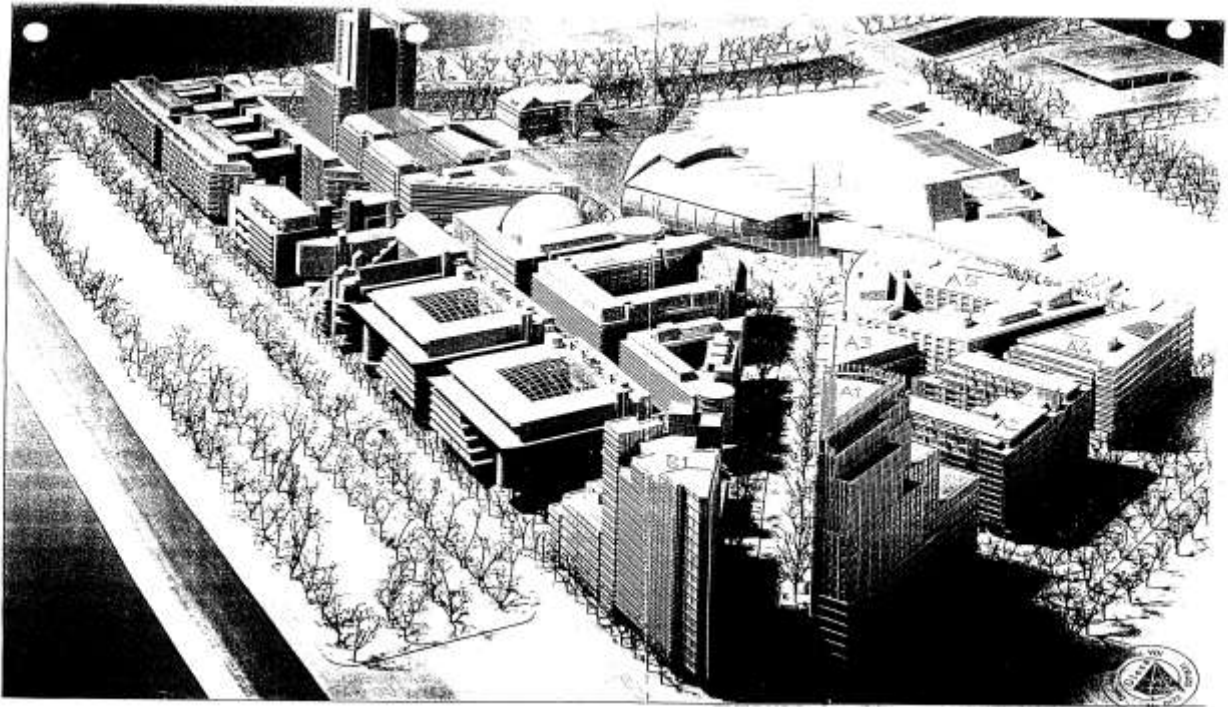
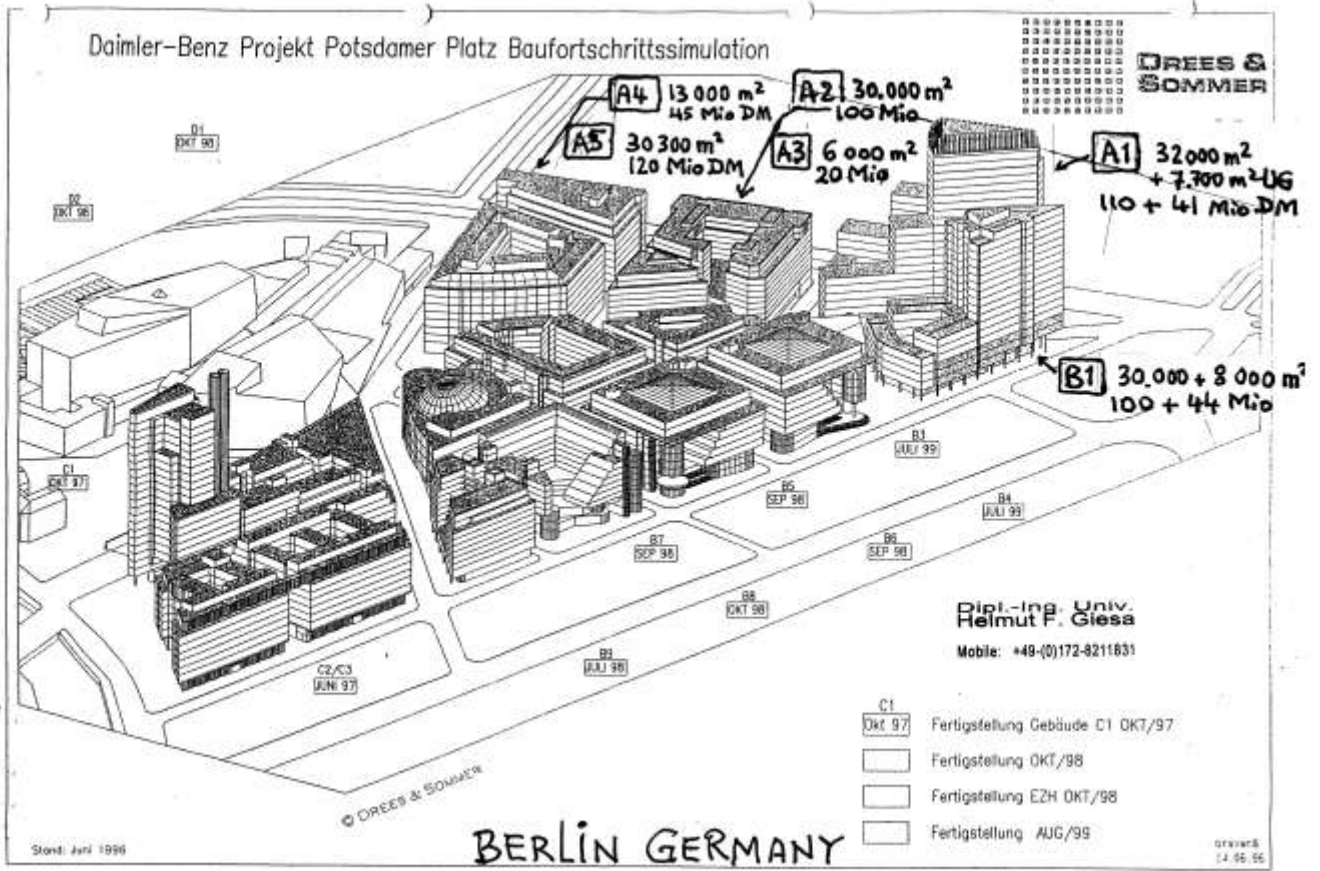
Concrete Roads for heavy duty transport



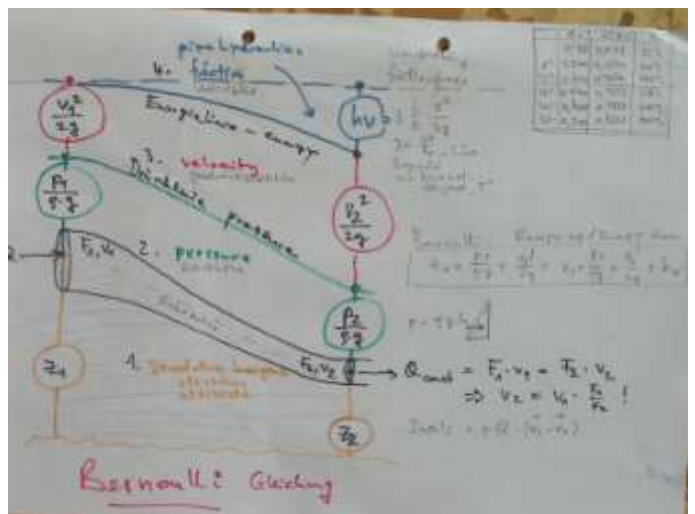
Dewatering system with jetty system (high water table)



1_ Turnkey Building Construction and
 2_ Industrial Air plane final assembly line Construction



1_ Water – Purification Liberia, White Plains (EU-financed Project, Rehabilitation of the network)



Bernoulli Equation for Net work Analysis of Main pipes with booster stations and pumping station
 1. Geodetic height, Pressure, Velocity, Loss of Energy ... Volume constant: $A(i) \cdot v(i)$.



Chemical Treatment with Aluminunsulfat and Chlorine (Status Beginning 2006)

