


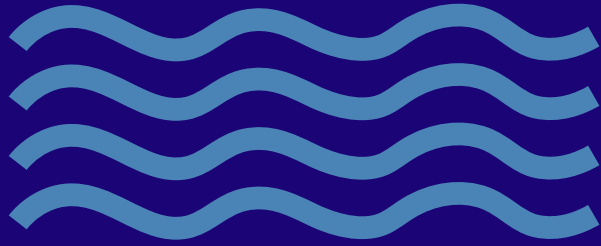


INFRASTRUCTURE CREATES THE
FORM OF A CITY AND ENABLES
LIFE TO GO ON IN A CITY, IN A
CERTAIN WAY

- PAUL GOLDBERGER -



**infra-
structure**



Regional traffic routes

1906 opening of the Teltow channel

1906 FA. Schuffelhauer AG common street building and artificial stone facilities, later 'Teltomat' and producer of asphalt mixing plants

The Teltow channel connects the Spree and the Havel. On both sides of the channel many different industrial businesses settled down. Today we experience the digitilisation of the waterways with "Vison 4.0"



Supply and disposal

1899 connection between Teltow and the water plant Charlottenburg

1904 building of the power plant Berlin-Schönnow (power for the Treidelbahn at the Teltow channel)

1906 opening of the biological sewage treatment plant in Stahnsdorf

1908 begin of electrification in the region

The sewage treatment plant Stahnsdorf is today one of the most modern treatment plants in Europe. The digitilisation of the water economy introduces a new age under the term of "water 4.0". The energy economy pushes with "energy 4.0" the digitalisation of the energy network.

Industrial culture

Since the middle of the 20th century a strong industrial development started in Teltow. At a place, which was formerly characterised by difficult work and live conditions, a progressive working environment developed in greater businesses with the support of labor unions.

The influence of the digitalisation has already far-reaching consequences for today's working environment. In the future new professions and qualifications will enrich the work life. New work equipment, a new work environment will change the cooperation in the working world.

Energy transition

2000 resolve of the renewable energy law (EEG) by German government

until 2020 reduction of CO2 output by 40 %
goal until 2050 80-95 % CO2 reduction

until 2050 increase of energy efficiency of power supply by 50%

Because of decentral and varying energy sources in the age of renewable energies it is necessary to control the power consumption with intelligent power networks "smart grid".

