

Customer: Plzeňská teplárenská, a.s., Doubravecká 2760/1, 301 00 Plzeň, Česká republika

Order: K6 – increasing of biomass co-burning

**Reconstruction of the CFB fluidized bed coal-fired steam boiler
increasing the proportion of co-fired biomass from 40 to 82 %**

Boiler parameters:

Boiler:

Nominal steam output	190 t/h
Nominal pressure of steam	13,53 MPa(g)
Nominal temperature of steam	540 °C

Fuel:

Biomass energetic share:

- before modification	40%
- after modification	82%

Material supplies:

Delivery of new steel constructions and technology for transport of increased volume of biomass. Two lines of carriers with total transport capacity of 600 m3 of biomass per hour to tank and 128 m3 of biomass per hour to the boiler

Delivery of new outdoor biomass tank of operating volume of 600 m3 with hydraulically controlled sliding floor

Installation of new fuel inlets to the boiler

Secondary air treatment

Adding a new fan and flue gas recirculation system

Adjustment of superheated steam temperature control

Complete new electrical equipment necessary for system operation

New external fuel management system

Addition and modification of the boiler control system

Non-material supplies:

TURN KEY

Documentation for production and erection

Project documentation for construction implementation

Documentation for production and assembly

Installation of technological equipment including thermal insulation

Electrical and BMS installation

Construction work

Construction management and coordination

Inspections, tests

Commissioning of equipment and training of operators



INVELT SERVIS, s.r.o.

U Školky 357/14, 326 00 Plzeň

tel.: +420 271 960 935

<http://www.invelt.cz>

Zapsaný u Krajského soudu v Plzni, oddíl C, vložka 5198

Česká spořitelna, a.s. Plzeň

IČ: 61168254

invelt.praha@invelt-servis.cz

č. ú.: IBAN CZ91 0800 0000 0000 0089 7292

DIČ: CZ61168254



Documentation of the actual design
Accompanying technical documentation
Local operating regulations

Terms of realization: 09/2020–12/2021

Delivery form: „TURN KEY“

Contact person: Petr Seidl, tel. +420 739 540 307
