LNG Regasification Plants
LNG Supply Concept – Emergency Power Systems / CHP’s

CHP = Combined Heat and Power Unit
LNG Supply Concept – Example 25 t Storage Capacity
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LNG Supply Concept – Storage Tank and Vaporizer for CHP

LNG-Supply for CHP
with 10 kW Cold-Decoupling -55°C

Location:
Borna near Leipzig, Company KKS
LNG Supply Concept – Plant Components

- Double-wall Tank (vacuum-insulated) with safety device, control devices and filling connection to truck
- 2 x vaporizers, atmospheric with change-over switch
- Electrical heater to secure min. temperature > 0°C (if necessary)
- Gas pressure control system and measuring section
- Odorization
- Connection to consumer network (underground or aboveground pipeline)
- Internal piping and armatures (with safety devices)
- Internal measurement technology, wiring and local control
LNG Supply Concept – Construction Works

- Collecting basin with equipment foundation and access stairs
- Fencing and gates
- Lighting system
- Lightning protection and earthing system
- Gas warning system, if required
- Fire extinguisher
- Signage
- Outside facilities with access road and loading point
LNG Supply Concept – Additional Construction Services

• Technological planning of plant according to local regulations
• Planning of construction works and outside facilities
• Approval planning according to local regulations
• Expert opinion for building ground, fire- and explosion-protection
• Authority fees for approval procedures, costs for inspection engineer, handling ancillary provisions from the approval procedure
• Authorized Inspection Agency
• Instruction and training
• Plant commissioning