

## Case Study

### Leicester Housing Association (Chesterfield)

**Project type:** *New boiler installations,  
new build district heating scheme*

**Boiler details:** *2 x D'Alessandro 80kw CSI  
over two separate sites*

**Fuel type:** *Wood Pellet*



**Site background:** *A new build involving heating 17 houses on a district heating scheme for a housing association over two separate sites. Partnered with Bruce Boucher Consulting as heating consultant and William Davis as the main contractor.*

*Wood pellet was the chosen fuel to provide a consistent, controllable fuel source - achievable due to its uniform nature. Its high calorific value meant lower storage space was required.*

**Solution:** *District heating systems for 17 houses, run with two biomass boilers but with fossil fuel back up. Two EN303/5 compliant 80kW biomass boilers with auto ignition, fully modulating control system connected to a heating distribution system. The layout incorporated thermal accumulator tanks and fuel store was through bespoke sub terrain bunkers*

**Benefits to customer:** *A lower CO<sub>2</sub> emission solution than fossil fuels with low cost fuel.*

### Highlights:

- *New build district heating system*
- *Installed on time and to budget*
- *Bespoke sub terrain fuel store*
- *Wood pellet to provide a consistent, controlled fuel source*
- *CO<sub>2</sub> neutral system,*
- *Ashwell providing ongoing service and maintenance contract with priority response times.*