



SPS competencies

Metallurgy of high strength steel

Welding - especially of high strength steel

Forming of steel - especially high strength steel

**Tape Winding - steel and non-steel- especially
automated feedback loops to control high speed
winding**

**Finite Element Analysis of pipeline structures- including
3D analysis with advanced methods and fatigue life and
failure prediction and analysis**

Durability assessments and analysis

Elastomeric sealing and protection systems

**Pipeline Engineering projects - especially cost benefit
studies**

**Spiral wound pipe - systems and mobile manufacturing
methods – noted specifically within National Grid
NIA_NCGT0048 Alternative Materials Final report**