

JOB SPECIFICATION – TECHNICAL MANAGER

Revision 1

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1. JOB SCOPE:

The Technical Manager is responsible for the technical aspects of Abrasive Jet Drilling, including design, manufacture and Intellectual Property.

Name		Job Title	Technical Manager	Reports to	CEO
Job Function	Manages Company’s R&D, Manufacturing and Technical Support activities			Mentor:	
Supervises	Design Engineers, Technicians	Minimum Qualifications/Education	Masters Degree, relevant discipline		
Minimum Experience	5 years in a related area, supervisory experience				

2. MAIN RESPONSIBILITIES (JOB DESCRIPTION)

- Manage the company’s R&D, Technical Support and Manufacturing functions to meet budgeted financial performance
- Develop new products, as agreed by the Leadership Team
- Oversee and co-ordinate production of mechanical, electronic, electrical and software components of Company’s abrasive jet drilling systems
- Manage the generation and preservation of Company Intellectual Property, including archiving/storage of designs, documentation of know-how, preparation of patent applications and general maintenance of the company’s IP portfolio.
- Provide product support and other technical support to operational functions in the most efficient manner for all concerned
- Maintain a clear view at all times of the R&D and Technical Support past and forecast technical and financial performance (both deliverables and spend)
- Foster a climate and culture where QHSE issues are addressed effectively and speedily, as part of everyone’s normal function
- Improve the effectiveness of the Company’s internal systems; increasing efficiency and reducing administrative overhead
- Attract, retain and motivate people to improve the company’s performance
- Report regularly on key aspects of the business, in accordance with routine and ad-hoc reporting requirements
- Provide relevant technical information to Operations staff to enable proper operation and maintenance of Field Technical Equipment.

3. QUALIFICATIONS, SKILLS & KNOWLEDGE

- 5 + years of experience in downhole equipment design and/or manufacture
- Ability to communicate across a broad range of technical disciplines
- Strategic thinker
- Project management experience
- Familiarity with the field drilling environments

4. SPECIAL REQUIREMENTS

- In any small organization, the team members must be flexible and willing to undertake a wide range of activities in the course of daily business, including some which may not normally be part of the job description for an equivalent position elsewhere. It is therefore a requirement that the individual filling this position has an aptitude to learn new skills, to think for him/herself, and be able to work in an environment where fixed routines may not be established.

5. Department Responsibilities: Technology and Manufacturing

The department is responsible for design, construction and maintenance of equipment, and rig integration. Specifically, this includes:

- Down hole tool design, construction, and maintenance
- Injection system design, construction, and maintenance
- Integration of top drive shaft and flow line into the rig system
- Siting requirements and rig integration of re-use system
- Data Acquisition system design, construction and maintenance

For more detail, see document: “Technology Tasks”.