JOB SPECIFICATION – TECHNICAL MANAGER
1. **JOB SCOPE:**

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

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<tr>
<th>Name</th>
<th>Job Title</th>
<th>Reports to</th>
<th>Mentor:</th>
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<tbody>
<tr>
<td>Job Function</td>
<td>Manages Company’s R&amp;D, Manufacturing and Technical Support activities</td>
<td>CEO</td>
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<tr>
<td>Supervises</td>
<td>Design Engineers, Technicians</td>
<td>Masters Degree, relevant discipline</td>
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<td>Minimum Experience</td>
<td>5 years in a related area, supervisory experience</td>
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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:

- Downhole 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”.