



PROPOSAL AND MARKETING PLAN

Magellan HDD Directional Boring

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HORIZONTAL DIRECTIONAL DRILLING

Horizontal Directional Drilling (HDD) is widely used for below-ground pipeline and utility installations that require a trenchless solution. It is a **low disturbance** approach for accurately and efficiently crossing roads, railways, rivers, bays, and a variety of other obstacles with **minimal environmental impact**. HDD is used in situations that allow for an angled installation and requires adequate space to set up a drill pad at the rig site.

Magellan HDD offers horizontal directional drilling services to construction, pipeline and utility clients throughout the U.S. market. Our combined expertise has been sought on numerous projects across North America. Our safe, modern, well-maintained fleet is expertly operated by highly experienced crews with the expertise and training to work in all conditions and terrains.

INDUSTRY OUTLOOK

The global horizontal directional drilling market size is estimated to reach USD 17.6 billion by 2025, according to a new report by Grand View Research, Inc., progress at a CAGR of 13.2% during the forecast period. Growing emphasis on adopting environment-friendly trenchless technologies globally is driving the HDD market, as this drilling technique is turning out to be one of the most critical subsurface construction methods for developing, maintaining, and replacing underground infrastructure.










Horizontal directional drilling has proved to be more convenient and environment friendly as compared to conventional vertical maneuvering method. It is ideal for installing cables, conduits, and pipes for short distance as well as long-distance projects and even at deeper depths.

Launch of newer generations of cellular networking technology, such as 4G and 5G, has increased the demand for capable transmission systems. As a result, horizontal directional drilling setups are increasingly being deployed for installing new telecommunication transmission lines. Besides this, burgeoning demand for suitably diffused distribution of electricity and natural gas from high-capacity intrastate and interstate lines and pipelines is also anticipated to propel the global horizontal directional drilling services market.

The global horizontal directional drilling market has been gaining traction as a result of flourishing telecommunications and oil & gas industries. Soaring need for infrastructure development and utility installations, in line with growing urbanization, is escalating the growth of the overall market worldwide.

MARKET DRIVER ANALYSIS













Table 1 Key market driver impact

Market Drivers	2020-22	2022-25	2025-27
	Impact		
More Economic, reliable, and efficient trenching as compared to other technologies			
Rise in the growth of telecommunication, oil & gas industry			
Minimized environmental damage			

 Very High	 High	 Moderate	 Low
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MARKET RESTRAINT/CHALLENGES ANALYSIS

Table 2 Key market restraint/challenges impact

Market Restraints/Challenges	2020-22	2022-25	2025-27
	Impact		
Lack of skilled personnel			
Damages due to cross bore technique			
Underpriced HDD services market			
Increasing usage of other trenchless technologies such as micro tunneling and auger boring			

UTILITY OVERVIEW

A vast network of underground utility lines brings the services we could not live without to homes and businesses. Clean tap water is delivered through a series of pipelines, while sewage and runoff are

returned through the cavernous storm water system. We can access the wonders of the internet, stream video and watch cable television thanks to a vast web of fiber optic and wire cable that spans the continent. Think cellular technology has eliminated the need for wires? Think again. Wires connect cellular towers to the grid. While electricity is largely transmitted through above-ground transmission towers and power lines, buried lines bring it to meters and into our homes.

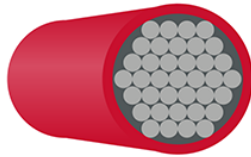
OUR ROLE

When utility providers are installing, repairing, or updating new or existing utility services, they often require the trenchless construction services of **Magellan HDD** to complete small but critical parts of the project.

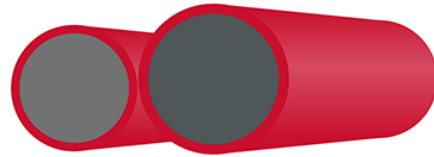
Our horizontal_directional_drilling, boring_and_auguring services help our clients install lines beneath busy and complex obstacles – such as roadways and river bodies. Using our hydrovac services division, we can safely expose existing utilities for the purpose of new installations or repairs. Whatever the requirement, we have the tools, the technologies, and the team to get the job done. Safely. Economically. Efficiently.

DELIVERING THE COMFORTS & NECESSITIES OF MODERN LIVING

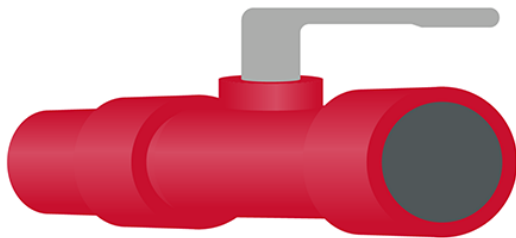
Electricity. Heat. Hot water. Internet and TV. We take these modern luxuries for granted. They are only possible due to a vast infrastructure of cables, conduits, and pipelines. Magellan HDD helps utility companies and municipalities across North America to install and upgrade these systems with minimal inconvenience to the public.



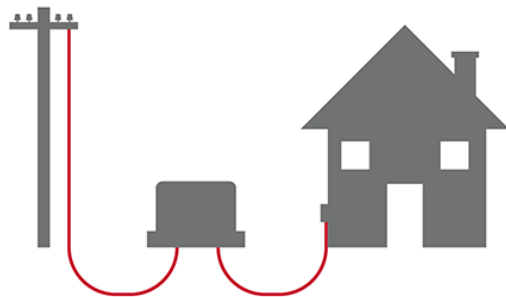
FIBRE OPTIC



WATER & SEWAGE



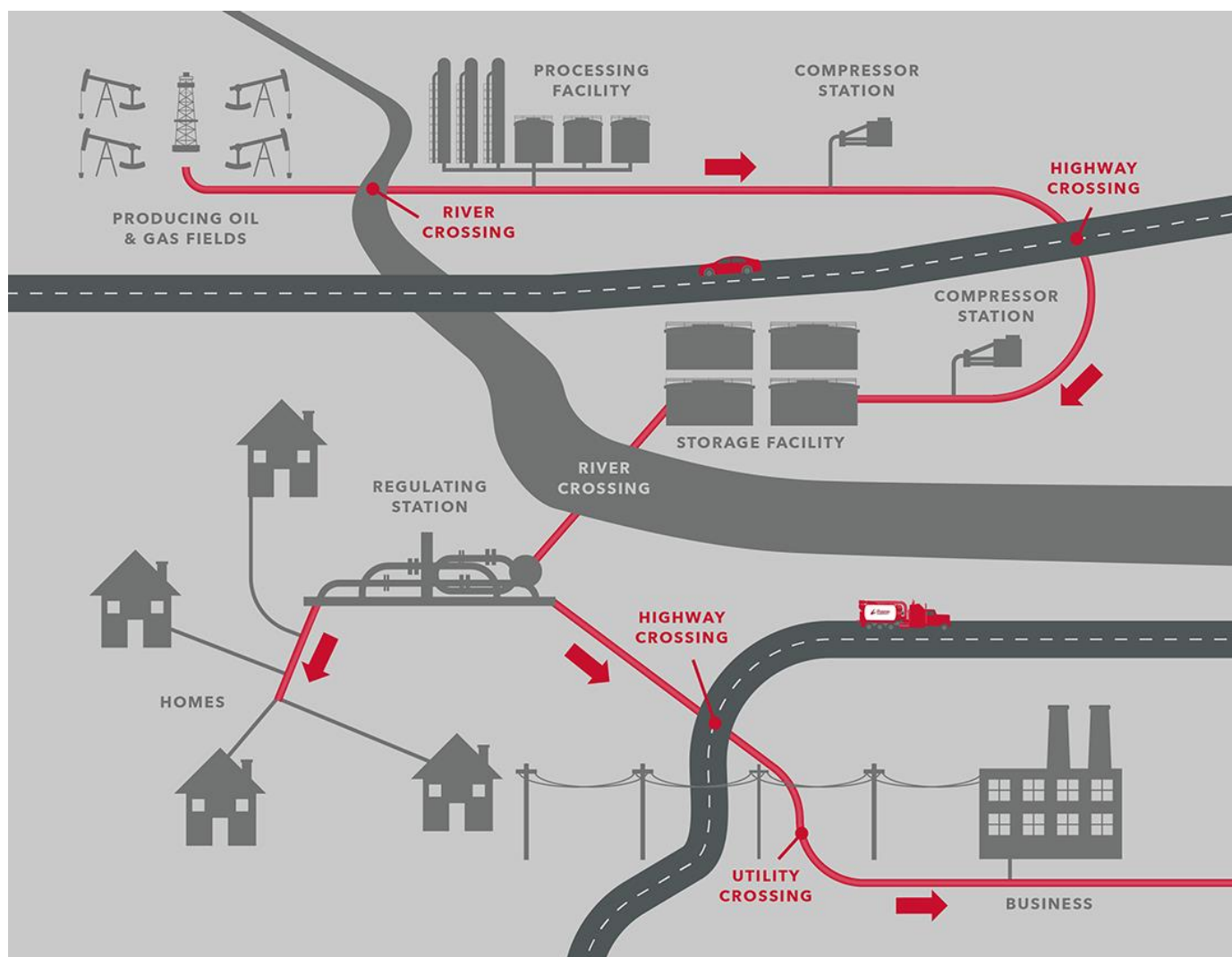
NATURAL GAS



UNDERGROUND ELECTRICAL

BRINGING ENERGY TO HOMES & BUSINESSES

A mind-boggling network of pipelines span the continent to deliver oil and gas products from the wellsite to processing facilities, then into homes and business. Compressor stations keep the product flowing, while regulating station control pipeline pressure. At many points along the route, the lines must cross natural and manmade obstacles: such as rivers, highways, railways, utilities... even other pipelines. The Crossing Group ensures these crossings are completed in a safe and efficient manner.



THE RIGHT SOLUTIONS

From small-diameter, low-pressure gathering lines to large-diameter, highly pressurized transportation mainlines, Magellan HDD works with our clients to suggest the most practical trenchless solution(s) for the job. Working from your stamped trenchless design blueprints, geotechnical investigation findings and RFP (if applicable), we will determine your needs. We will also ask detailed questions concerning timelines, project budget, pipe diameter, project parameters, regulatory requirements, ground/ environmental conditions and a variety of other factors. This allows us to accurately cost and schedule the project, propose the right equipment and choose the right crew.

