

Lucrative Business of

Ductile Iron Pipe Fittings

Profitable Industry for New Startup.



Introduction

In pipe systems, a fitting or adapter is used to join straight lengths of pipe or tube, adapt to different sizes or forms, and regulate (or measure) fluid flow, among other things. These fittings are used in plumbing to control the flow of water, gas, or liquid waste in a system of pipes or tubes in a household or commercial setting.



Fittings (especially unusual varieties) take time, money, materials, and tools to install, but they're an essential aspect of piping and plumbing systems. Although valves are technically fittings, they are often treated independently. Ductile iron pipe is a type of ductile cast iron pipe that is extensively used for the transport and distribution of potable water.



The spheroidal or nodular nature of the graphite within the ductile iron used to make the pipe distinguishes it. The pipe is typically made by centrifugal casting in metal or resin lined moulds. Internal linings and external coatings are commonly used to prevent corrosion in ductile iron pipes: the standard internal lining is Ductile Iron Pipe Fittings mortar, and the typical external coatings are bonded zinc, asphalt, or water-based paint.

Advantages

Pipe fittings are used to change the direction of liquid flow, connect pipes of different diameters, modify pipe diameter, and branch liquid flow from one pipe into several pipes in piping systems. A pipe fitting is a piece that is used to connect pipes or to extend pipes. Compared to other pipe materials, ductile iron pipes have a number of advantages:

- 1.Simple to set up**
- 2.A comprehensive selection of accessories is generally available.**
- 3.Suitable for a wide range of applications above and below ground**
- 4.The material's strength allows it to endure high internal pressure while also making it less vulnerable to impact damage.**
- 5.It is more ductile than grey iron.**
- 6.Impact resistance is higher than grey iron.**

7. More durable than grey iron

8. Grey iron is heavier and more difficult to place.

9. Joints are easy to work with.

10. Joints can withstand a certain amount of angular deflection.

11. Pumping costs are lower since the nominal interior diameter is greater.



Market Outlook

The market for Ductile Iron Pipes was \$4,600 million in 2017 and is predicted to reach \$9,428 million by 2026, rising at an annual rate of 8.3%.

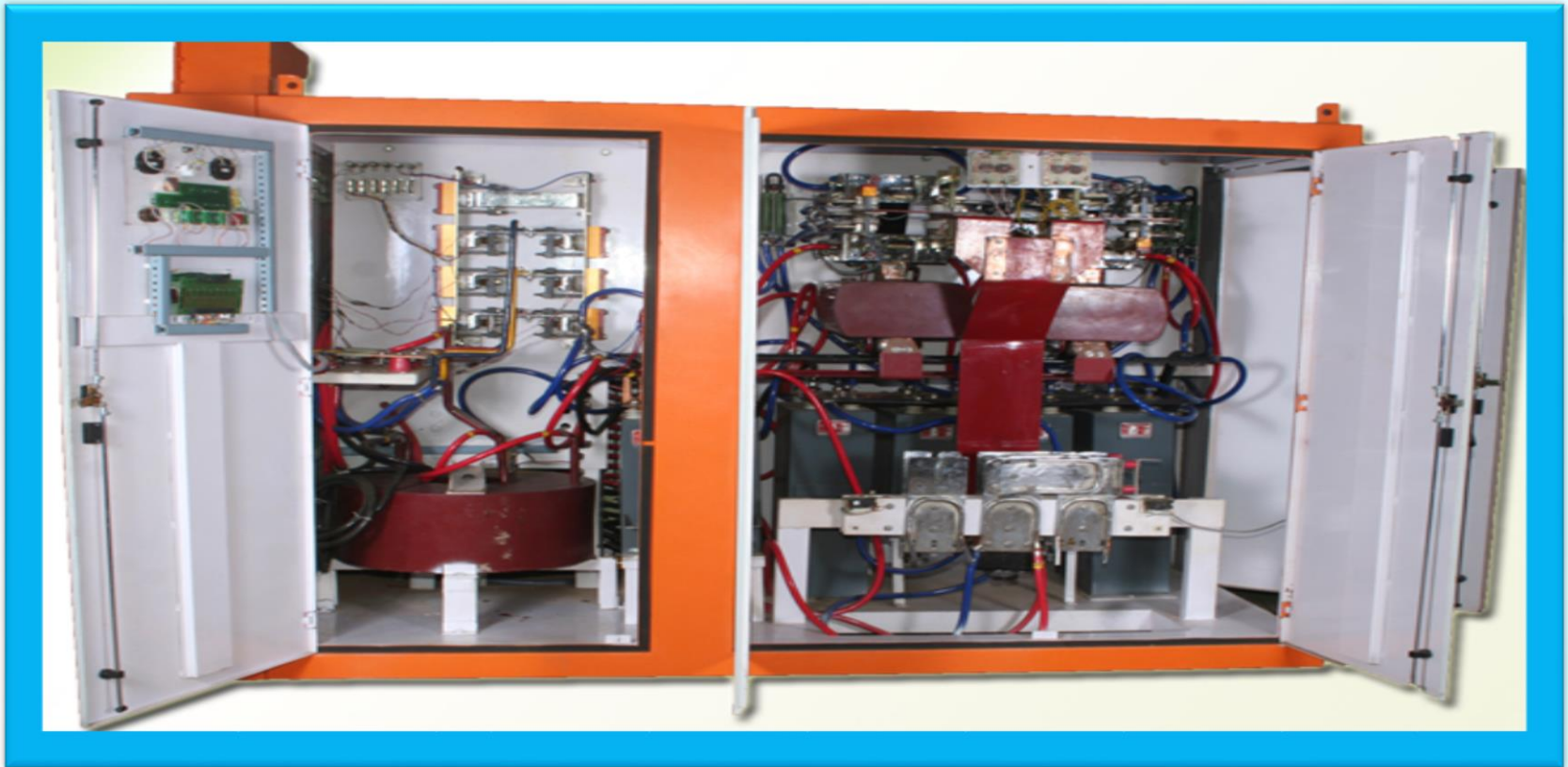
The primary application of ductile iron pipes is in the delivery of drinking water. Supply system breakdowns result in portable water losses. Due to increased demand for these pipes in developing nations, the worldwide ductile iron pipes market is expected to grow at a significant rate during the forecast period.

The global market for ductile iron pipes is fragmented due to the presence of several manufacturers all over the world. The market for ductile iron pipes has grown significantly due to the unprecedented growth of end-use industries. Drinking water distribution, wastewater, irrigation, mining, and other applications make up the worldwide ductile iron pipe market (including pump stations and process and treatment works).

Key Players

- 1. Deccan Mechanical & Chemical Inds. Pvt. Ltd.**
- 2. Disa India Ltd.**
- 3. Ductile Castings Ltd.**
- 4. E S L Steel Ltd.**
- 5. Electrosteel Castings Ltd.**
- 6. Jainsons Corporation Ltd.**
- 7. Jindal Saw Ltd.**
- 8. Mcwane India Pvt. Ltd.**

Machinery Photographs



INDUCTION MELTING FURNACE



HYDROSTATIC PRESSURE TESTING MACHINE

The background of the slide features a collection of various metal pipe fittings, including elbows, tees, and straight sections, arranged in a scattered manner. The fittings are rendered in a semi-transparent, blue-tinted style, giving them a 3D appearance. The text "Project at a Glance" is overlaid on this background in a large, bold, black font with a blue outline and a drop shadow effect.

Project at a Glance

COST OF PROJECT				MEANS OF FINANCE			
Particulars	Existing	Proposed	Total	Particulars	Existing	Proposed	Total
Land & Site Development Exp.	0.00	82.50	82.50	Capital	0.00	283.82	283.82
Buildings	0.00	518.00	518.00	Share Premium	0.00	0.00	0.00
Plant & Machineries	0.00	311.50	311.50	Other Type Share Capital	0.00	0.00	0.00
Motor Vehicles	0.00	15.00	15.00	Reserves & Surplus	0.00	0.00	0.00
Office Automation Equipments	0.00	81.00	81.00	Cash Subsidy	0.00	0.00	0.00
Technical Knowhow Fees & Exp.	0.00	35.00	35.00	Internal Cash Accruals	0.00	0.00	0.00
Franchise & Other Deposits	0.00	0.00	0.00	Long/Medium Term Borrowings	0.00	851.46	851.46
Preliminary& Pre-operative Exp	0.00	10.00	10.00	Debentures / Bonds	0.00	0.00	0.00
Provision for Contingencies	0.00	24.00	24.00	Unsecured Loans/Deposits	0.00	0.00	0.00
Margin Money - Working Capital	0.00	58.28	58.28				
TOTAL	0.00	1135.28	1135.28	TOTAL	0.00	1135.28	1135.28

Year	Annualised		Book Value	Debt	Dividend	Retained Earnings		Payout	Probable Market Price	P/E Ratio	Yield Price/ Book Value
	EPS	CEPS	Per Share		Per Share	Per Share				No.of Times	
						%		%			%
1-2	7.28	11.42	17.28	24.00	0.00	100.00	7.28	0.00	7.28	1.00	0.00
2-3	10.68	14.31	27.96	18.00	0.00	100.00	10.68	0.00	10.68	1.00	0.00
3-4	13.98	17.17	41.94	12.00	0.00	100.00	13.98	0.00	13.98	1.00	0.00
4-5	17.15	19.96	59.09	6.00	0.00	100.00	17.15	0.00	17.15	1.00	0.00
5-6	20.17	22.65	79.26	0.00	0.00	100.00	20.17	0.00	20.17	1.00	0.00

Year	D. S. C. R.			Debt / - Deposit s Debt	Equity as- Equity	Total Net Worth	Return on Net Worth	Profitability Ratio					Assets Turnover Ratio	Current Ratio
	Indivi dual	Cumulative	Overall					GPM	PBT	PAT	Net Contrib ution	P/V Ratio		
	(Number of times)			(Number of times)		%	%	%	%	%	%			
Initial				3.00	3.00									
1-2	1.62	1.62		1.39	1.39	1.78		23.30%	15.00%	10.07%	1211.94	59.06 %	1.54	1.12
2-3	2.02	1.81		0.64	0.64	0.92		26.38%	19.54%	12.66%	1413.70	59.05 %	1.60	1.71
3-4	2.48	2.02	2.47	0.29	0.29	0.50		28.44%	22.71%	14.50%	1615.65	59.05 %	1.56	2.42
4-5	3.00	2.23		0.10	0.10	0.27		29.82%	24.92%	15.81%	1817.60	59.05 %	1.46	3.21
5-6	3.61	2.47		0.00	0.00	0.14		30.72%	26.46%	16.74%	2019.55	59.05 %	1.35	6.31

BEP**BEP - Maximum Utilisation Year****5****Cash BEP (% of Installed Capacity)****51.70%****Total BEP (% of Installed Capacity)****55.20%****IRR, PAYBACK and FACR****Internal Rate of Return .. (In %age)****33.83%****Payback Period of the Project is (In Years)****2 Years 3 Months****Fixed Assets Coverage Ratio (No. of times)****5.414**

Major Queries/Questions Answered in the Report?

- 1. What is Ductile Iron Pipe Fittings Manufacturing industry ?**
- 2. How has the Ductile Iron Pipe Fittings Manufacturing industry performed so far and how will it perform in the coming years ?**
- 3. What is the Project Feasibility of Ductile Iron Pipe Fittings Manufacturing Plant ?**
- 4. What are the requirements of Working Capital for setting up Ductile Iron Pipe Fittings Manufacturing plant ?**

- 5. What is the structure of the Ductile Iron Pipe Fittings Manufacturing Business and who are the key/major players ?**
- 6. What is the total project cost for setting up Ductile Iron Pipe Fittings Manufacturing Business?**
- 7. What are the operating costs for setting up Ductile Iron Pipe Fittings Manufacturing plant ?**
- 8. What are the machinery and equipment requirements for setting up Ductile Iron Pipe Fittings Manufacturing plant ?**

9. Who are the Suppliers and Manufacturers of Plant & Machinery for setting up Ductile Iron Pipe Fittings Manufacturing plant ?

10. What are the requirements of raw material for setting up Ductile Iron Pipe Fittings Manufacturing plant ?

11. Who are the Suppliers and Manufacturers of Raw materials for setting up Ductile Iron Pipe Fittings Manufacturing Business?

12. What is the Manufacturing Process of Ductile Iron Pipe Fittings?

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The background of the slide is a grayscale image of a large industrial pipe. The pipe runs horizontally across the middle of the frame, with several large, circular flanges or valves attached to it. The lighting creates strong highlights and shadows, giving the pipe a three-dimensional appearance.

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Reasons for Buying Our Report



- ❖ **This report helps you to identify a profitable project for investing or diversifying into by throwing light to crucial areas like industry size, market potential of the product and reasons for investing in the product**
- ❖ **This report provides vital information on the product like it's characteristics and segmentation**
- ❖ **This report helps you market and place the product correctly by identifying the target customer group of the product**

- ❖ **This report helps you understand the viability of the project by disclosing details like machinery required, project costs and snapshot of other project financials**
- ❖ **The report provides a glimpse of government regulations applicable on the industry**
- ❖ **The report provides forecasts of key parameters which helps anticipate the industry performance and make sound business decisions**

Our Approach



- **Our research reports broadly cover Indian markets, present analysis, outlook and forecast for a period of five years.**
- **The market forecasts are developed on the basis of secondary research and are cross-validated through interactions with the industry players**
- **We use reliable sources of information and databases. And information from such sources is processed by us and included in the report**

Scope of the Report

The report titled “Market Survey cum Detailed Techno Economic Feasibility Report on Ductile Iron Pipe Fittings.” provides an insight into Ductile Iron Pipe Fittings market in India with focus on uses and applications, Manufacturing Process, Process Flow Sheets, Plant Layout and Project Financials of Ductile Iron Pipe Fittings project. The report assesses the market sizing and growth of the Indian Ductile Iron Pipe Fittings Industry. While expanding a current business or while venturing into new business, entrepreneurs are often faced with the dilemma of zeroing in on a suitable product/line. And before diversifying/venturing into any product, they wish to study the following aspects of the identified product:

- **Good Present/Future Demand**
- **Export-Import Market Potential**
- **Raw Material & Manpower Availability**
- **Project Costs and Payback Period**

We at NPCCS, through our reliable expertise in the project consultancy and market research field, have demystified the situation by putting forward the emerging business opportunity in the Ductile Iron Pipe Fittings sector in India along with its business prospects. Through this report we have identified Ductile Iron Pipe Fittings project as a lucrative investment avenue.

Tags

#DetailedProjectReport #businessconsultant
#BusinessPlan #feasibilityReport #NPCS
#entrepreneurindia #startupbusiness
#ProjectReport #startup #projectconsultancy
#businessopportunity
#DuctileIronPipeFittings #ductileironfittings
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NPCS is manned by engineers, planners, specialists, financial experts, economic analysts and design specialists with extensive experience in the related industries.

Our Market Survey cum Detailed Techno Economic Feasibility Report provides an insight of market in India. The report assesses the market sizing and growth of the Industry. While expanding a current business or while venturing into new business, entrepreneurs are often faced with the dilemma of zeroing in on a suitable product/line.

And before diversifying/venturing into any product, they wish to study the following aspects of the identified product:

- ❑ Good Present/Future Demand**
- ❑ Export-Import Market Potential**
- ❑ Raw Material & Manpower Availability**
- ❑ Project Costs and Payback Period**

The detailed project report covers all aspect of business, from analyzing the market, confirming availability of various necessities such as Manufacturing Plant, Detailed Project Report, Profile, Business Plan, Industry Trends, Market Research, Survey, Manufacturing Process, Machinery, Raw Materials, Feasibility Study, Investment Opportunities, Cost and Revenue, Plant Economics, Production Schedule,

Working Capital Requirement, uses and applications, Plant Layout, Project Financials, Process Flow Sheet, Cost of Project, Projected Balance Sheets, Profitability Ratios, Break Even Analysis. The DPR (Detailed Project Report) is formulated by highly accomplished and experienced consultants and the market research and analysis are supported by a panel of experts and digitalized data bank.

We at NPCS, through our reliable expertise in the project consultancy and market research field, have demystified the situation by putting forward the emerging business opportunity in India along with its business prospects.....[Read more](#)



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- We adopt a systematic approach to provide the strong fundamental support needed for the effective delivery of services to our Clients' in India & abroad



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- **Project Identification**
- **Detailed Project Reports/Pre-feasibility Reports**
- **Market Research Reports**
- **Business Plan**
- **Technology Books and Directory**
- **Industry Trend**
- **Databases on CD-ROM**
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- **Turnkey Project Consultancy/Solutions**
- **Entrepreneur India (An Industrial Monthly Journal)**

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- We have two decades long experience in project consultancy and market research field
- We empower our customers with the prerequisite know-how to take sound business decisions
- We help catalyze business growth by providing distinctive and profound market analysis
- We serve a wide array of customers , from individual entrepreneurs to Corporations and Foreign Investors
- We use authentic & reliable sources to ensure business precision

Our Approach

Requirement collection

Thorough analysis of the project

Economic feasibility study of the Project

Market potential survey/research

Report Compilation

Who do we Serve?

- ❖ **Public-sector Companies**
- ❖ **Corporates**
- ❖ **Government Undertakings**
- ❖ **Individual Entrepreneurs**
- ❖ **NRI's**
- ❖ **Foreign Investors**
- ❖ **Non-profit Organizations, NBFC's**
- ❖ **Educational Institutions**
- ❖ **Embassies & Consulates**
- ❖ **Consultancies**
- ❖ **Industry / trade associations**

Sectors We Cover

- ❖ **Ayurvedic And Herbal Medicines, Herbal Cosmetics**
- ❖ **Alcoholic And Non Alcoholic Beverages, Drinks**
- ❖ **Adhesives, Industrial Adhesive, Sealants, Glues, Gum & Resin**
- ❖ **Activated Carbon & Activated Charcoal**
- ❖ **Aluminium And Aluminium Extrusion Profiles & Sections**
- ❖ **Bio-fertilizers And Biotechnology**
- ❖ **Breakfast Snacks And Cereal Food**
- ❖ **Bicycle Tyres & Tubes, Bicycle Parts, Bicycle Assembling**

Sectors We Cover *Cont...*

- ❖ **Bamboo And Cane Based Projects**
- ❖ **Building Materials And Construction Projects**
- ❖ **Biodegradable & Bioplastic Based Projects**
- ❖ **Chemicals (Organic And Inorganic)**
- ❖ **Confectionery, Bakery/Baking And Other Food**
- ❖ **Cereal Processing**
- ❖ **Coconut And Coconut Based Products**
- ❖ **Cold Storage For Fruits & Vegetables**
- ❖ **Coal & Coal Byproduct**

- ❖ **Copper & Copper Based Projects**
- ❖ **Dairy/Milk Processing**
- ❖ **Disinfectants, Pesticides, Insecticides, Mosquito Repellents,**
- ❖ **Electrical, Electronic And Computer based Projects**
- ❖ **Essential Oils, Oils & Fats And Allied**
- ❖ **Engineering Goods**
- ❖ **Fibre Glass & Float Glass**
- ❖ **Fast Moving Consumer Goods**
- ❖ **Food, Bakery, Agro Processing**

- ❖ **Fruits & Vegetables Processing**
- ❖ **Ferro Alloys Based Projects**
- ❖ **Fertilizers & Biofertilizers**
- ❖ **Ginger & Ginger Based Projects**
- ❖ **Herbs And Medicinal Cultivation And Jatropha (Biofuel)**
- ❖ **Hotel & Hospitality Projects**
- ❖ **Hospital Based Projects**
- ❖ **Herbal Based Projects**
- ❖ **Inks, Stationery And Export Industries**

Sectors We Cover *Cont...*

- ❖ **Infrastructure Projects**
- ❖ **Jute & Jute Based Products**
- ❖ **Leather And Leather Based Projects**
- ❖ **Leisure & Entertainment Based Projects**
- ❖ **Livestock Farming Of Birds & Animals**
- ❖ **Minerals And Minerals**
- ❖ **Maize Processing(Wet Milling) & Maize Based Projects**
- ❖ **Medical Plastics, Disposables Plastic Syringe, Blood Bags**
- ❖ **Organic Farming, Neem Products Etc.**

- ❖ **Paints, Pigments, Varnish & Lacquer**
- ❖ **Paper And Paper Board, Paper Recycling Projects**
- ❖ **Printing Inks**
- ❖ **Packaging Based Projects**
- ❖ **Perfumes, Cosmetics And Flavours**
- ❖ **Power Generation Based Projects & Renewable Energy Based Projects**
- ❖ **Pharmaceuticals And Drugs**
- ❖ **Plantations, Farming And Cultivations**
- ❖ **Plastic Film, Plastic Waste And Plastic Compounds**
- ❖ **Plastic, PVC, PET, HDPE, LDPE Etc.**

Sectors We Cover *Cont...*

Sectors We Cover *Cont...*

- ❖ **Potato And Potato Based Projects**
- ❖ **Printing And Packaging**
- ❖ **Real Estate, Leisure And Hospitality**
- ❖ **Rubber And Rubber Products**
- ❖ **Soaps And Detergents**
- ❖ **Stationary Products**
- ❖ **Spices And Snacks Food**
- ❖ **Steel & Steel Products**
- ❖ **Textile Auxiliary And Chemicals**

Sectors We Cover *Cont...*

Sectors We Cover *Cont...*

- ❖ **Township & Residential Complex**
- ❖ **Textiles And Readymade Garments**
- ❖ **Waste Management & Recycling**
- ❖ **Wood & Wood Products**
- ❖ **Water Industry(Packaged Drinking Water & Mineral Water)**
- ❖ **Wire & Cable**

The background of the slide is a low-angle, upward-looking photograph of a city street. Tall buildings with glass facades line the street, and a person in a business suit is walking away from the camera in the distance. The sky is a clear, bright blue. The text 'Market Research Report' is overlaid in large, bold, dark blue letters, with a subtle reflection effect below each word.

Market Research Report

Objective

- To get a detailed scenario of the industry along with its structure and classification
- To provide a comprehensive analysis of the industry by covering aspects like:
 - ❑ Growth drivers of the industry
 - ❑ Latest market trends
 - ❑ Insights on regulatory framework
 - ❑ SWOT Analysis
 - ❑ Demand-Supply Situation
 - ❑ Foreign Trade
 - ❑ Porters 5 Forces Analysis

Objective

- To provide forecasts of key parameters which helps to anticipate the industry performance
- To help chart growth trajectory of a business by detailing the factors that affect the industry growth
- To help an entrepreneur/manager in keeping abreast with the changes in the industry
- To evaluate the competitive landscape of the industry by detailing:
 - ❑ Key players with their market shares
 - ❑ Financial comparison of present players

Clientele

- Venturist/Capitalists
- Entrepreneur/Companies
- Industry Researchers
- Investment Funds
- Foreign Investors, NRI's
- Project Consultants/Chartered Accountants
- Banks
- Corporates

[Click here for list](#)

Data Sources



Scope & Coverage



Our Team

- Our research team comprises of experts from various financial fields:**
- MBA's**
- Industry Researchers**
- Financial Planners**
- Research veterans with decades of experience**

Structure of the Report

- 1. Overview**
- 2. Market Analysis**
 - 2.1 Growth Drivers**
 - 2.2 Emerging Trends in the Industry**
 - 2.3 Regulatory Framework**
 - 2.4 SWOT Analysis**
 - 2.5 Herfindahl–Hirschman Index (HHI)**
- 3. Market Forecasts**
- 4. Key Players**

Structure of the Report

STRUCTURE OF THE REPORT

- 5. Key Financials and Analysis**
 - 5.1 Contact Information**
 - 5.2 Key Financials**
 - 5.3 Financial comparison**
- 6. Industry Size & Outlook**



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on #Street View

<https://goo.gl/VstWkd>





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A decorative illustration of a brown, leafy branch with several leaves and a small curl, extending from the top left towards the center of the slide.

Thank You!

A decorative illustration of a brown, leafy branch with several leaves and a small curl, extending from the bottom right towards the center of the slide.

For more information, visit us at:

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