

COVID-19 Impact on Global Trenchless Pipe Rehabilitation Market Size, Status and Forecast 2020-2026

<https://marketpublishers.com/r/CF1A02D95332EN.html>

Date: August 2020

Pages: 93

Price: US\$ 3,900.00 (Single User License)

ID: CF1A02D95332EN

Abstracts

This report focuses on the global Trenchless Pipe Rehabilitation status, future forecast, growth opportunity, key market and key players. The study objectives are to present the Trenchless Pipe Rehabilitation development in North America, Europe, China, Japan, Southeast Asia, India and Central & South America.

The key players covered in this study

Aegion Corporation

Granite Construction

Inland Pipe Rehabilitation

Per Aarsleff A/S

SAK Construction

Market segment by Type, the product can be split into

36 Inch Pipes

Market segment by Application, split into

Water Main Pipes

Wastewater Pipes

Others

Market segment by Regions/Countries, this report covers

North America

Europe

China

Japan

Southeast Asia

India

Central & South America

The study objectives of this report are:

To analyze global Trenchless Pipe Rehabilitation status, future forecast, growth opportunity, key market and key players.

To present the Trenchless Pipe Rehabilitation development in North America, Europe, China, Japan, Southeast Asia, India and Central & South America.

To strategically profile the key players and comprehensively analyze their development plan and strategies.

To define, describe and forecast the market by type, market and key regions.

In this study, the years considered to estimate the market size of Trenchless Pipe Rehabilitation are as follows:

History Year: 2015-2019

Base Year: 2019

Estimated Year: 2020

Forecast Year 2020 to 2026

For the data information by region, company, type and application, 2019 is considered as the base year. Whenever data information was unavailable for the base year, the prior year has been considered.

Contents

1 REPORT OVERVIEW

1.1 Study Scope

1.2 Key Market Segments

1.3 Players Covered: Ranking by Trenchless Pipe Rehabilitation Revenue

1.4 Market Analysis by Type

1.4.1 Global Trenchless Pipe Rehabilitation Market Size Growth Rate by Type: 2020 VS 2026

1.4.2 36 Inch Pipes

1.5 Market by Application

1.5.1 Global Trenchless Pipe Rehabilitation Market Share by Application: 2020 VS 2026

1.5.2 Water Main Pipes

1.5.3 Wastewater Pipes

1.5.4 Others

1.6 Coronavirus Disease 2019 (Covid-19): Trenchless Pipe Rehabilitation Industry Impact

1.6.1 How the Covid-19 is Affecting the Trenchless Pipe Rehabilitation Industry

1.6.1.1 Trenchless Pipe Rehabilitation Business Impact Assessment - Covid-19

1.6.1.2 Supply Chain Challenges

1.6.1.3 COVID-19's Impact On Crude Oil and Refined Products

1.6.2 Market Trends and Trenchless Pipe Rehabilitation Potential Opportunities in the COVID-19 Landscape

1.6.3 Measures / Proposal against Covid-19

1.6.3.1 Government Measures to Combat Covid-19 Impact

1.6.3.2 Proposal for Trenchless Pipe Rehabilitation Players to Combat Covid-19

Impact

1.7 Study Objectives

1.8 Years Considered

2 GLOBAL GROWTH TRENDS BY REGIONS

2.1 Trenchless Pipe Rehabilitation Market Perspective (2015-2026)

2.2 Trenchless Pipe Rehabilitation Growth Trends by Regions

2.2.1 Trenchless Pipe Rehabilitation Market Size by Regions: 2015 VS 2020 VS 2026

2.2.2 Trenchless Pipe Rehabilitation Historic Market Share by Regions (2015-2020)

2.2.3 Trenchless Pipe Rehabilitation Forecasted Market Size by Regions (2021-2026)

2.3 Industry Trends and Growth Strategy

2.3.1 Market Top Trends

2.3.2 Market Drivers

2.3.3 Market Challenges

2.3.4 Porter's Five Forces Analysis

2.3.5 Trenchless Pipe Rehabilitation Market Growth Strategy

2.3.6 Primary Interviews with Key Trenchless Pipe Rehabilitation Players (Opinion Leaders)

3 COMPETITION LANDSCAPE BY KEY PLAYERS

3.1 Global Top Trenchless Pipe Rehabilitation Players by Market Size

3.1.1 Global Top Trenchless Pipe Rehabilitation Players by Revenue (2015-2020)

3.1.2 Global Trenchless Pipe Rehabilitation Revenue Market Share by Players (2015-2020)

3.1.3 Global Trenchless Pipe Rehabilitation Market Share by Company Type (Tier 1, Tier 2 and Tier 3)

3.2 Global Trenchless Pipe Rehabilitation Market Concentration Ratio

3.2.1 Global Trenchless Pipe Rehabilitation Market Concentration Ratio (CR5 and HHI)

3.2.2 Global Top 10 and Top 5 Companies by Trenchless Pipe Rehabilitation Revenue in 2019

3.3 Trenchless Pipe Rehabilitation Key Players Head office and Area Served

3.4 Key Players Trenchless Pipe Rehabilitation Product Solution and Service

3.5 Date of Enter into Trenchless Pipe Rehabilitation Market

3.6 Mergers & Acquisitions, Expansion Plans

4 BREAKDOWN DATA BY TYPE (2015-2026)

4.1 Global Trenchless Pipe Rehabilitation Historic Market Size by Type (2015-2020)

4.2 Global Trenchless Pipe Rehabilitation Forecasted Market Size by Type (2021-2026)

5 TRENCHLESS PIPE REHABILITATION BREAKDOWN DATA BY APPLICATION (2015-2026)

5.1 Global Trenchless Pipe Rehabilitation Market Size by Application (2015-2020)

5.2 Global Trenchless Pipe Rehabilitation Forecasted Market Size by Application (2021-2026)

6 NORTH AMERICA

- 6.1 North America Trenchless Pipe Rehabilitation Market Size (2015-2020)
- 6.2 Trenchless Pipe Rehabilitation Key Players in North America (2019-2020)
- 6.3 North America Trenchless Pipe Rehabilitation Market Size by Type (2015-2020)
- 6.4 North America Trenchless Pipe Rehabilitation Market Size by Application (2015-2020)

7 EUROPE

- 7.1 Europe Trenchless Pipe Rehabilitation Market Size (2015-2020)
- 7.2 Trenchless Pipe Rehabilitation Key Players in Europe (2019-2020)
- 7.3 Europe Trenchless Pipe Rehabilitation Market Size by Type (2015-2020)
- 7.4 Europe Trenchless Pipe Rehabilitation Market Size by Application (2015-2020)

8 CHINA

- 8.1 China Trenchless Pipe Rehabilitation Market Size (2015-2020)
- 8.2 Trenchless Pipe Rehabilitation Key Players in China (2019-2020)
- 8.3 China Trenchless Pipe Rehabilitation Market Size by Type (2015-2020)
- 8.4 China Trenchless Pipe Rehabilitation Market Size by Application (2015-2020)

9 JAPAN

- 9.1 Japan Trenchless Pipe Rehabilitation Market Size (2015-2020)
- 9.2 Trenchless Pipe Rehabilitation Key Players in Japan (2019-2020)
- 9.3 Japan Trenchless Pipe Rehabilitation Market Size by Type (2015-2020)
- 9.4 Japan Trenchless Pipe Rehabilitation Market Size by Application (2015-2020)

10 SOUTHEAST ASIA

- 10.1 Southeast Asia Trenchless Pipe Rehabilitation Market Size (2015-2020)
- 10.2 Trenchless Pipe Rehabilitation Key Players in Southeast Asia (2019-2020)
- 10.3 Southeast Asia Trenchless Pipe Rehabilitation Market Size by Type (2015-2020)
- 10.4 Southeast Asia Trenchless Pipe Rehabilitation Market Size by Application (2015-2020)

11 INDIA

- 11.1 India Trenchless Pipe Rehabilitation Market Size (2015-2020)
- 11.2 Trenchless Pipe Rehabilitation Key Players in India (2019-2020)
- 11.3 India Trenchless Pipe Rehabilitation Market Size by Type (2015-2020)
- 11.4 India Trenchless Pipe Rehabilitation Market Size by Application (2015-2020)

12 CENTRAL & SOUTH AMERICA

- 12.1 Central & South America Trenchless Pipe Rehabilitation Market Size (2015-2020)
- 12.2 Trenchless Pipe Rehabilitation Key Players in Central & South America (2019-2020)
- 12.3 Central & South America Trenchless Pipe Rehabilitation Market Size by Type (2015-2020)
- 12.4 Central & South America Trenchless Pipe Rehabilitation Market Size by Application (2015-2020)

13 KEY PLAYERS PROFILES

13.1 Aegion Corporation

- 13.1.1 Aegion Corporation Company Details
- 13.1.2 Aegion Corporation Business Overview and Its Total Revenue
- 13.1.3 Aegion Corporation Trenchless Pipe Rehabilitation Introduction
- 13.1.4 Aegion Corporation Revenue in Trenchless Pipe Rehabilitation Business (2015-2020)
- 13.1.5 Aegion Corporation Recent Development

13.2 Granite Construction

- 13.2.1 Granite Construction Company Details
- 13.2.2 Granite Construction Business Overview and Its Total Revenue
- 13.2.3 Granite Construction Trenchless Pipe Rehabilitation Introduction
- 13.2.4 Granite Construction Revenue in Trenchless Pipe Rehabilitation Business (2015-2020)
- 13.2.5 Granite Construction Recent Development

13.3 Inland Pipe Rehabilitation

- 13.3.1 Inland Pipe Rehabilitation Company Details
- 13.3.2 Inland Pipe Rehabilitation Business Overview and Its Total Revenue
- 13.3.3 Inland Pipe Rehabilitation Trenchless Pipe Rehabilitation Introduction
- 13.3.4 Inland Pipe Rehabilitation Revenue in Trenchless Pipe Rehabilitation Business (2015-2020)
- 13.3.5 Inland Pipe Rehabilitation Recent Development

13.4 Per Aarsleff A/S

- 13.4.1 Per Aarsleff A/S Company Details
- 13.4.2 Per Aarsleff A/S Business Overview and Its Total Revenue
- 13.4.3 Per Aarsleff A/S Trenchless Pipe Rehabilitation Introduction
- 13.4.4 Per Aarsleff A/S Revenue in Trenchless Pipe Rehabilitation Business
(2015-2020)
- 13.4.5 Per Aarsleff A/S Recent Development
- 13.5 SAK Construction
 - 13.5.1 SAK Construction Company Details
 - 13.5.2 SAK Construction Business Overview and Its Total Revenue
 - 13.5.3 SAK Construction Trenchless Pipe Rehabilitation Introduction
 - 13.5.4 SAK Construction Revenue in Trenchless Pipe Rehabilitation Business
(2015-2020)
 - 13.5.5 SAK Construction Recent Development

14 ANALYST'S VIEWPOINTS/CONCLUSIONS

15 APPENDIX

- 15.1 Research Methodology
 - 15.1.1 Methodology/Research Approach
 - 15.1.2 Data Source
- 15.2 Disclaimer
- 15.3 Author Details

List Of Tables

LIST OF TABLES

Table 1. Trenchless Pipe Rehabilitation Key Market Segments

Table 2. Key Players Covered: Ranking by Trenchless Pipe Rehabilitation Revenue

Table 3. Ranking of Global Top Trenchless Pipe Rehabilitation Manufacturers by Revenue (US\$ Million) in 2019

Table 4. Global Trenchless Pipe Rehabilitation Market Size Growth Rate by Type (US\$ Million): 2020 VS 2026

Table 5. Key Players of 36 Inch Pipes

Table 8. COVID-19 Impact Global Market: (Four Trenchless Pipe Rehabilitation Market Size Forecast Scenarios)

Table 9. Opportunities and Trends for Trenchless Pipe Rehabilitation Players in the COVID-19 Landscape

Table 10. Present Opportunities in China & Elsewhere Due to the Coronavirus Crisis

Table 11. Key Regions/Countries Measures against Covid-19 Impact

Table 12. Proposal for Trenchless Pipe Rehabilitation Players to Combat Covid-19 Impact

Table 13. Global Trenchless Pipe Rehabilitation Market Size Growth by Application (US\$ Million): 2020 VS 2026

Table 14. Global Trenchless Pipe Rehabilitation Market Size by Regions (US\$ Million): 2020 VS 2026

Table 15. Global Trenchless Pipe Rehabilitation Market Size by Regions (2015-2020) (US\$ Million)

Table 16. Global Trenchless Pipe Rehabilitation Market Share by Regions (2015-2020)

Table 17. Global Trenchless Pipe Rehabilitation Forecasted Market Size by Regions (2021-2026) (US\$ Million)

Table 18. Global Trenchless Pipe Rehabilitation Market Share by Regions (2021-2026)

Table 19. Market Top Trends

Table 20. Key Drivers: Impact Analysis

Table 21. Key Challenges

Table 22. Trenchless Pipe Rehabilitation Market Growth Strategy

Table 23. Main Points Interviewed from Key Trenchless Pipe Rehabilitation Players

Table 24. Global Trenchless Pipe Rehabilitation Revenue by Players (2015-2020) (Million US\$)

Table 25. Global Trenchless Pipe Rehabilitation Market Share by Players (2015-2020)

Table 26. Global Top Trenchless Pipe Rehabilitation Players by Company Type (Tier 1, Tier 2 and Tier 3) (based on the Revenue in Trenchless Pipe Rehabilitation as of 2019)

Table 27. Global Trenchless Pipe Rehabilitation by Players Market Concentration Ratio (CR5 and HHI)

Table 28. Key Players Headquarters and Area Served

Table 29. Key Players Trenchless Pipe Rehabilitation Product Solution and Service

Table 30. Date of Enter into Trenchless Pipe Rehabilitation Market

Table 31. Mergers & Acquisitions, Expansion Plans

Table 32. Global Trenchless Pipe Rehabilitation Market Size by Type (2015-2020) (Million US\$)

Table 33. Global Trenchless Pipe Rehabilitation Market Size Share by Type (2015-2020)

Table 34. Global Trenchless Pipe Rehabilitation Revenue Market Share by Type (2021-2026)

Table 35. Global Trenchless Pipe Rehabilitation Market Size Share by Application (2015-2020)

Table 36. Global Trenchless Pipe Rehabilitation Market Size by Application (2015-2020) (Million US\$)

Table 37. Global Trenchless Pipe Rehabilitation Market Size Share by Application (2021-2026)

Table 38. North America Key Players Trenchless Pipe Rehabilitation Revenue (2019-2020) (Million US\$)

Table 39. North America Key Players Trenchless Pipe Rehabilitation Market Share (2019-2020)

Table 40. North America Trenchless Pipe Rehabilitation Market Size by Type (2015-2020) (Million US\$)

Table 41. North America Trenchless Pipe Rehabilitation Market Share by Type (2015-2020)

Table 42. North America Trenchless Pipe Rehabilitation Market Size by Application (2015-2020) (Million US\$)

Table 43. North America Trenchless Pipe Rehabilitation Market Share by Application (2015-2020)

Table 44. Europe Key Players Trenchless Pipe Rehabilitation Revenue (2019-2020) (Million US\$)

Table 45. Europe Key Players Trenchless Pipe Rehabilitation Market Share (2019-2020)

Table 46. Europe Trenchless Pipe Rehabilitation Market Size by Type (2015-2020) (Million US\$)

Table 47. Europe Trenchless Pipe Rehabilitation Market Share by Type (2015-2020)

Table 48. Europe Trenchless Pipe Rehabilitation Market Size by Application (2015-2020) (Million US\$)

Table 49. Europe Trenchless Pipe Rehabilitation Market Share by Application (2015-2020)

Table 50. China Key Players Trenchless Pipe Rehabilitation Revenue (2019-2020) (Million US\$)

Table 51. China Key Players Trenchless Pipe Rehabilitation Market Share (2019-2020)

Table 52. China Trenchless Pipe Rehabilitation Market Size by Type (2015-2020) (Million US\$)

Table 53. China Trenchless Pipe Rehabilitation Market Share by Type (2015-2020)

Table 54. China Trenchless Pipe Rehabilitation Market Size by Application (2015-2020) (Million US\$)

Table 55. China Trenchless Pipe Rehabilitation Market Share by Application (2015-2020)

Table 56. Japan Key Players Trenchless Pipe Rehabilitation Revenue (2019-2020) (Million US\$)

Table 57. Japan Key Players Trenchless Pipe Rehabilitation Market Share (2019-2020)

Table 58. Japan Trenchless Pipe Rehabilitation Market Size by Type (2015-2020) (Million US\$)

Table 59. Japan Trenchless Pipe Rehabilitation Market Share by Type (2015-2020)

Table 60. Japan Trenchless Pipe Rehabilitation Market Size by Application (2015-2020) (Million US\$)

Table 61. Japan Trenchless Pipe Rehabilitation Market Share by Application (2015-2020)

Table 62. Southeast Asia Key Players Trenchless Pipe Rehabilitation Revenue (2019-2020) (Million US\$)

Table 63. Southeast Asia Key Players Trenchless Pipe Rehabilitation Market Share (2019-2020)

Table 64. Southeast Asia Trenchless Pipe Rehabilitation Market Size by Type (2015-2020) (Million US\$)

Table 65. Southeast Asia Trenchless Pipe Rehabilitation Market Share by Type (2015-2020)

Table 66. Southeast Asia Trenchless Pipe Rehabilitation Market Size by Application (2015-2020) (Million US\$)

Table 67. Southeast Asia Trenchless Pipe Rehabilitation Market Share by Application (2015-2020)

Table 68. India Key Players Trenchless Pipe Rehabilitation Revenue (2019-2020) (Million US\$)

Table 69. India Key Players Trenchless Pipe Rehabilitation Market Share (2019-2020)

Table 70. India Trenchless Pipe Rehabilitation Market Size by Type (2015-2020) (Million US\$)

- Table 71. India Trenchless Pipe Rehabilitation Market Share by Type (2015-2020)
- Table 72. India Trenchless Pipe Rehabilitation Market Size by Application (2015-2020) (Million US\$)
- Table 73. India Trenchless Pipe Rehabilitation Market Share by Application (2015-2020)
- Table 74. Central & South America Key Players Trenchless Pipe Rehabilitation Revenue (2019-2020) (Million US\$)
- Table 75. Central & South America Key Players Trenchless Pipe Rehabilitation Market Share (2019-2020)
- Table 76. Central & South America Trenchless Pipe Rehabilitation Market Size by Type (2015-2020) (Million US\$)
- Table 77. Central & South America Trenchless Pipe Rehabilitation Market Share by Type (2015-2020)
- Table 78. Central & South America Trenchless Pipe Rehabilitation Market Size by Application (2015-2020) (Million US\$)
- Table 79. Central & South America Trenchless Pipe Rehabilitation Market Share by Application (2015-2020)
- Table 80. Aegion Corporation Company Details
- Table 81. Aegion Corporation Business Overview
- Table 82. Aegion Corporation Product
- Table 83. Aegion Corporation Revenue in Trenchless Pipe Rehabilitation Business (2015-2020) (Million US\$)
- Table 84. Aegion Corporation Recent Development
- Table 85. Granite Construction Company Details
- Table 86. Granite Construction Business Overview
- Table 87. Granite Construction Product
- Table 88. Granite Construction Revenue in Trenchless Pipe Rehabilitation Business (2015-2020) (Million US\$)
- Table 89. Granite Construction Recent Development
- Table 90. Inland Pipe Rehabilitation Company Details
- Table 91. Inland Pipe Rehabilitation Business Overview
- Table 92. Inland Pipe Rehabilitation Product
- Table 93. Inland Pipe Rehabilitation Revenue in Trenchless Pipe Rehabilitation Business (2015-2020) (Million US\$)
- Table 94. Inland Pipe Rehabilitation Recent Development
- Table 95. Per Aarsleff A/S Company Details
- Table 96. Per Aarsleff A/S Business Overview
- Table 97. Per Aarsleff A/S Product
- Table 98. Per Aarsleff A/S Revenue in Trenchless Pipe Rehabilitation Business (2015-2020) (Million US\$)

Table 99. Per Aarsleff A/S Recent Development

Table 100. SAK Construction Company Details

Table 101. SAK Construction Business Overview

Table 102. SAK Construction Product

Table 103. SAK Construction Revenue in Trenchless Pipe Rehabilitation Business (2015-2020) (Million US\$)

Table 104. SAK Construction Recent Development

Table 105. Research Programs/Design for This Report

Table 106. Key Data Information from Secondary Sources

Table 107. Key Data Information from Primary Sources

List Of Figures

LIST OF FIGURES

Figure 1. Global Trenchless Pipe Rehabilitation Market Share by Type: 2020 VS 2026

Figure 2. 36 Inch Pipes Features

Figure 5. Global Trenchless Pipe Rehabilitation Market Share by Application: 2020 VS 2026

Figure 6. Water Main Pipes Case Studies

Figure 7. Wastewater Pipes Case Studies

Figure 8. Others Case Studies

Figure 9. Trenchless Pipe Rehabilitation Report Years Considered

Figure 10. Global Trenchless Pipe Rehabilitation Market Size YoY Growth 2015-2026 (US\$ Million)

Figure 11. Global Trenchless Pipe Rehabilitation Market Share by Regions: 2020 VS 2026

Figure 12. Global Trenchless Pipe Rehabilitation Market Share by Regions (2021-2026)

Figure 13. Porter's Five Forces Analysis

Figure 14. Global Trenchless Pipe Rehabilitation Market Share by Players in 2019

Figure 15. Global Top Trenchless Pipe Rehabilitation Players by Company Type (Tier 1, Tier 2 and Tier 3) (based on the Revenue in Trenchless Pipe Rehabilitation as of 2019

Figure 16. The Top 10 and 5 Players Market Share by Trenchless Pipe Rehabilitation Revenue in 2019

Figure 17. North America Trenchless Pipe Rehabilitation Market Size YoY Growth (2015-2020) (Million US\$)

Figure 18. Europe Trenchless Pipe Rehabilitation Market Size YoY Growth (2015-2020) (Million US\$)

Figure 19. China Trenchless Pipe Rehabilitation Market Size YoY Growth (2015-2020) (Million US\$)

Figure 20. Japan Trenchless Pipe Rehabilitation Market Size YoY Growth (2015-2020) (Million US\$)

Figure 21. Southeast Asia Trenchless Pipe Rehabilitation Market Size YoY Growth (2015-2020) (Million US\$)

Figure 22. India Trenchless Pipe Rehabilitation Market Size YoY Growth (2015-2020) (Million US\$)

Figure 23. Central & South America Trenchless Pipe Rehabilitation Market Size YoY Growth (2015-2020) (Million US\$)

Figure 24. Aegion Corporation Total Revenue (US\$ Million): 2019 Compared with 2018

Figure 25. Aegion Corporation Revenue Growth Rate in Trenchless Pipe Rehabilitation

Business (2015-2020)

Figure 26. Granite Construction Total Revenue (US\$ Million): 2019 Compared with 2018

Figure 27. Granite Construction Revenue Growth Rate in Trenchless Pipe Rehabilitation Business (2015-2020)

Figure 28. Inland Pipe Rehabilitation Total Revenue (US\$ Million): 2019 Compared with 2018

Figure 29. Inland Pipe Rehabilitation Revenue Growth Rate in Trenchless Pipe Rehabilitation Business (2015-2020)

Figure 30. Per Aarsleff A/S Total Revenue (US\$ Million): 2019 Compared with 2018

Figure 31. Per Aarsleff A/S Revenue Growth Rate in Trenchless Pipe Rehabilitation Business (2015-2020)

Figure 32. SAK Construction Total Revenue (US\$ Million): 2019 Compared with 2018

Figure 33. SAK Construction Revenue Growth Rate in Trenchless Pipe Rehabilitation Business (2015-2020)

Figure 34. Bottom-up and Top-down Approaches for This Report

Figure 35. Data Triangulation

Figure 36. Key Executives Interviewed

I would like to order

Product name: COVID-19 Impact on Global Trenchless Pipe Rehabilitation Market Size, Status and Forecast 2020-2026

Product link: <https://marketpublishers.com/r/CF1A02D95332EN.html>

Price: US\$ 3,900.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/CF1A02D95332EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970

