

# Global Transparent Conductive Films (TCF) Market Insights, Forecast to 2026

https://marketpublishers.com/r/G001B04348CCEN.html

Date: June 2020 Pages: 118 Price: US\$ 3,900.00 (Single User License) ID: G001B04348CCEN

# **Abstracts**

Transparent Conductive Films are optically transparent and electrically conductive in thin layers. They are an important component of a number of electronic devices including Liquid-crystal displays, OLEDs, touchscreens and photovoltaic. Japan region is the largest supplier of Transparent Conductive Films (TCF), with a production market share nearly 57%. Asia other (ex. China and Japan) is the second largest supplier of Transparent Conductive Films (TCF), enjoying production market share nearly 23% in 2015.

Since the COVID-19 virus outbreak in December 2019, the disease has spread to almost 100 countries around the globe with the World Health Organization declaring it a public health emergency. The global impacts of the coronavirus disease 2019 (COVID-19) are already starting to be felt, and will significantly affect the Transparent Conductive Films (TCF) 3900 market in 2020.

COVID-19 can affect the global economy in three main ways: by directly affecting production and demand, by creating supply chain and market disruption, and by its financial impact on firms and financial markets.

The outbreak of COVID-19 has brought effects on many aspects, like flight cancellations; travel bans and quarantines; restaurants closed; all indoor events restricted; over forty countries state of emergency declared; massive slowing of the supply chain; stock market volatility; falling business confidence, growing panic among the population, and uncertainty about future.

This report also analyses the impact of Coronavirus COVID-19 on the Transparent Conductive Films (TCF) 3900 industry.

Based on our recent survey, we have several different scenarios about the Transparent Conductive Films (TCF) 3900 YoY growth rate for 2020. The probable scenario is expected to grow by a xx% in 2020 and the revenue will be xx in 2020 from US\$ 101.7 million in 2019. The market size of Transparent Conductive Films (TCF) 3900 will reach



xx in 2026, with a CAGR of xx% from 2020 to 2026.

With industry-standard accuracy in analysis and high data integrity, the report makes a brilliant attempt to unveil key opportunities available in the global Transparent Conductive Films (TCF) market to help players in achieving a strong market position. Buyers of the report can access verified and reliable market forecasts, including those for the overall size of the global Transparent Conductive Films (TCF) market in terms of both revenue and volume.

Players, stakeholders, and other participants in the global Transparent Conductive Films (TCF) market will be able to gain the upper hand as they use the report as a powerful resource. For this version of the report, the segmental analysis focuses on sales (volume), revenue and forecast by each application segment in terms of sales and revenue and forecast by each type segment in terms of revenue for the period 2015-2026.

#### Sales and Pricing Analyses

Readers are provided with deeper sales analysis and pricing analysis for the global Transparent Conductive Films (TCF) market. As part of sales analysis, the report offers accurate statistics and figures for sales and revenue by region, by each type segment for the period 2015-2026.

In the pricing analysis section of the report, readers are provided with validated statistics and figures for the price by players and price by region for the period 2015-2020 and price by each type segment for the period 2015-2020.

#### Regional and Country-level Analysis

The report offers an exhaustive geographical analysis of the global Transparent Conductive Films (TCF) market, covering important regions, viz, North America, Europe, China and Japan. It also covers key countries (regions), viz, U.S., Canada, Germany, France, U.K., Italy, Russia, China, Japan, South Korea, India, Australia, Taiwan, Indonesia, Thailand, Malaysia, Philippines, Vietnam, Mexico, Brazil, Turkey, Saudi Arabia, UAE, etc.

The report includes country-wise and region-wise market size for the period 2015-2026. It also includes market size and forecast by each application segment in terms of sales for the period 2015-2026.

#### **Competition Analysis**

In the competitive analysis section of the report, leading as well as prominent players of the global Transparent Conductive Films (TCF) market are broadly studied on the basis of key factors. The report offers comprehensive analysis and accurate statistics on



sales by the player for the period 2015-2020. It also offers detailed analysis supported by reliable statistics on price and revenue (global level) by player for the period 2015-2020.

On the whole, the report proves to be an effective tool that players can use to gain a competitive edge over their competitors and ensure lasting success in the global Transparent Conductive Films (TCF) market. All of the findings, data, and information provided in the report are validated and revalidated with the help of trustworthy sources. The analysts who have authored the report took a unique and industry-best research and analysis approach for an in-depth study of the global Transparent Conductive Films (TCF) market.

The following manufacturers are covered in this report:

Cambrios TDK 3M Nuovo Film Blue nanao NANOGAP Mogreat Coldstones FujiFilm Gunze

Transparent Conductive Films (TCF) Breakdown Data by Type

Silver Nanowires TCF



Metal Mesh TCF

Other Metal Nanowires TCF

Transparent Conductive Films (TCF) Breakdown Data by Application

Liquid-crystal Displays

OLEDs

Touchscreens

Others



# Contents

#### **1 STUDY COVERAGE**

- 1.1 Transparent Conductive Films (TCF) Product Introduction
- 1.2 Market Segments

1.3 Key Transparent Conductive Films (TCF) Manufacturers Covered: Ranking by Revenue

- 1.4 Market by Type
- 1.4.1 Global Transparent Conductive Films (TCF) Market Size Growth Rate by Type
- 1.4.2 Silver Nanowires TCF
- 1.4.3 Metal Mesh TCF
- 1.4.4 Other Metal Nanowires TCF
- 1.5 Market by Application
- 1.5.1 Global Transparent Conductive Films (TCF) Market Size Growth Rate by

#### Application

- 1.5.2 Liquid-crystal Displays
- 1.5.3 OLEDs
- 1.5.4 Touchscreens
- 1.5.5 Others

1.6 Coronavirus Disease 2019 (Covid-19): Transparent Conductive Films (TCF) Industry Impact

1.6.1 How the Covid-19 is Affecting the Transparent Conductive Films (TCF) Industry

- 1.6.1.1 Transparent Conductive Films (TCF) 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 Transparent Conductive Films (TCF) 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 Transparent Conductive Films (TCF) Players to Combat Covid-19 Impact

1.7 Study Objectives

1.8 Years Considered

### 2 EXECUTIVE SUMMARY

- 2.1 Global Transparent Conductive Films (TCF) Market Size Estimates and Forecasts
  - 2.1.1 Global Transparent Conductive Films (TCF) Revenue 2015-2026



2.1.2 Global Transparent Conductive Films (TCF) Sales 2015-2026

2.2 Transparent Conductive Films (TCF) Market Size by Region: 2020 Versus 2026

2.2.1 Global Transparent Conductive Films (TCF) Retrospective Market Scenario in Sales by Region: 2015-2020

2.2.2 Global Transparent Conductive Films (TCF) Retrospective Market Scenario in Revenue by Region: 2015-2020

# 3 GLOBAL TRANSPARENT CONDUCTIVE FILMS (TCF) COMPETITOR LANDSCAPE BY PLAYERS

3.1 Transparent Conductive Films (TCF) Sales by Manufacturers

3.1.1 Transparent Conductive Films (TCF) Sales by Manufacturers (2015-2020)

3.1.2 Transparent Conductive Films (TCF) Sales Market Share by Manufacturers (2015-2020)

3.2 Transparent Conductive Films (TCF) Revenue by Manufacturers

3.2.1 Transparent Conductive Films (TCF) Revenue by Manufacturers (2015-2020)

3.2.2 Transparent Conductive Films (TCF) Revenue Share by Manufacturers (2015-2020)

3.2.3 Global Transparent Conductive Films (TCF) Market Concentration Ratio (CR5 and HHI) (2015-2020)

3.2.4 Global Top 10 and Top 5 Companies by Transparent Conductive Films (TCF) Revenue in 2019

3.2.5 Global Transparent Conductive Films (TCF) Market Share by Company Type (Tier 1, Tier 2 and Tier 3)

3.3 Transparent Conductive Films (TCF) Price by Manufacturers

3.4 Transparent Conductive Films (TCF) Manufacturing Base Distribution, Product Types

3.4.1 Transparent Conductive Films (TCF) Manufacturers Manufacturing Base Distribution, Headquarters

3.4.2 Manufacturers Transparent Conductive Films (TCF) Product Type

3.4.3 Date of International Manufacturers Enter into Transparent Conductive Films (TCF) Market

3.5 Manufacturers Mergers & Acquisitions, Expansion Plans

### 4 BREAKDOWN DATA BY TYPE (2015-2026)

4.1 Global Transparent Conductive Films (TCF) Market Size by Type (2015-2020)

4.1.1 Global Transparent Conductive Films (TCF) Sales by Type (2015-2020)

4.1.2 Global Transparent Conductive Films (TCF) Revenue by Type (2015-2020)



4.1.3 Transparent Conductive Films (TCF) Average Selling Price (ASP) by Type (2015-2026)

4.2 Global Transparent Conductive Films (TCF) Market Size Forecast by Type (2021-2026)

4.2.1 Global Transparent Conductive Films (TCF) Sales Forecast by Type (2021-2026)

4.2.2 Global Transparent Conductive Films (TCF) Revenue Forecast by Type (2021-2026)

4.2.3 Transparent Conductive Films (TCF) Average Selling Price (ASP) Forecast by Type (2021-2026)

4.3 Global Transparent Conductive Films (TCF) Market Share by Price Tier (2015-2020): Low-End, Mid-Range and High-End

#### **5 BREAKDOWN DATA BY APPLICATION (2015-2026)**

5.1 Global Transparent Conductive Films (TCF) Market Size by Application (2015-2020)
5.1.1 Global Transparent Conductive Films (TCF) Sales by Application (2015-2020)
5.1.2 Global Transparent Conductive Films (TCF) Revenue by Application (2015-2020)
5.1.3 Transparent Conductive Films (TCF) Price by Application (2015-2020)
5.2 Transparent Conductive Films (TCF) Market Size Forecast by Application

(2021-2026)

5.2.1 Global Transparent Conductive Films (TCF) Sales Forecast by Application (2021-2026)

5.2.2 Global Transparent Conductive Films (TCF) Revenue Forecast by Application (2021-2026)

5.2.3 Global Transparent Conductive Films (TCF) Price Forecast by Application (2021-2026)

#### **6 NORTH AMERICA**

- 6.1 North America Transparent Conductive Films (TCF) by Country
  - 6.1.1 North America Transparent Conductive Films (TCF) Sales by Country
  - 6.1.2 North America Transparent Conductive Films (TCF) Revenue by Country
  - 6.1.3 U.S.
  - 6.1.4 Canada

6.2 North America Transparent Conductive Films (TCF) Market Facts & Figures by Type

6.3 North America Transparent Conductive Films (TCF) Market Facts & Figures by Application



#### 7 EUROPE

- 7.1 Europe Transparent Conductive Films (TCF) by Country
- 7.1.1 Europe Transparent Conductive Films (TCF) Sales by Country
- 7.1.2 Europe Transparent Conductive Films (TCF) Revenue by Country
- 7.1.3 Germany
- 7.1.4 France
- 7.1.5 U.K.
- 7.1.6 Italy
- 7.1.7 Russia
- 7.2 Europe Transparent Conductive Films (TCF) Market Facts & Figures by Type
- 7.3 Europe Transparent Conductive Films (TCF) Market Facts & Figures by Application

#### **8 ASIA PACIFIC**

- 8.1 Asia Pacific Transparent Conductive Films (TCF) by Region
  - 8.1.1 Asia Pacific Transparent Conductive Films (TCF) Sales by Region
  - 8.1.2 Asia Pacific Transparent Conductive Films (TCF) Revenue by Region
  - 8.1.3 China
  - 8.1.4 Japan
  - 8.1.5 South Korea
  - 8.1.6 India
  - 8.1.7 Australia
  - 8.1.8 Taiwan
  - 8.1.9 Indonesia
  - 8.1.10 Thailand
  - 8.1.11 Malaysia
  - 8.1.12 Philippines
  - 8.1.13 Vietnam

8.2 Asia Pacific Transparent Conductive Films (TCF) Market Facts & Figures by Type8.3 Asia Pacific Transparent Conductive Films (TCF) Market Facts & Figures byApplication

#### 9 LATIN AMERICA

- 9.1 Latin America Transparent Conductive Films (TCF) by Country
  - 9.1.1 Latin America Transparent Conductive Films (TCF) Sales by Country
  - 9.1.2 Latin America Transparent Conductive Films (TCF) Revenue by Country
  - 9.1.3 Mexico



9.1.4 Brazil

9.1.5 Argentina

9.2 Central & South America Transparent Conductive Films (TCF) Market Facts & Figures by Type

9.3 Central & South America Transparent Conductive Films (TCF) Market Facts & Figures by Application

### 10 MIDDLE EAST AND AFRICA

10.1 Middle East and Africa Transparent Conductive Films (TCF) by Country
10.1.1 Middle East and Africa Transparent Conductive Films (TCF) Sales by Country
10.1.2 Middle East and Africa Transparent Conductive Films (TCF) Revenue by
Country
10.1.3 Turkey

10.1.4 Saudi Arabia

10.1.5 UAE

10.2 Middle East and Africa Transparent Conductive Films (TCF) Market Facts & Figures by Type

10.3 Middle East and Africa Transparent Conductive Films (TCF) Market Facts & Figures by Application

#### **11 COMPANY PROFILES**

- 11.1 Cambrios
  - 11.1.1 Cambrios Corporation Information
  - 11.1.2 Cambrios Description, Business Overview and Total Revenue
  - 11.1.3 Cambrios Sales, Revenue and Gross Margin (2015-2020)
  - 11.1.4 Cambrios Transparent Conductive Films (TCF) Products Offered
- 11.1.5 Cambrios Recent Development

11.2 TDK

- 11.2.1 TDK Corporation Information
- 11.2.2 TDK Description, Business Overview and Total Revenue
- 11.2.3 TDK Sales, Revenue and Gross Margin (2015-2020)
- 11.2.4 TDK Transparent Conductive Films (TCF) Products Offered
- 11.2.5 TDK Recent Development

11.3 3M

- 11.3.1 3M Corporation Information
- 11.3.2 3M Description, Business Overview and Total Revenue
- 11.3.3 3M Sales, Revenue and Gross Margin (2015-2020)



- 11.3.4 3M Transparent Conductive Films (TCF) Products Offered
- 11.3.5 3M Recent Development
- 11.4 Nuovo Film
  - 11.4.1 Nuovo Film Corporation Information
  - 11.4.2 Nuovo Film Description, Business Overview and Total Revenue
- 11.4.3 Nuovo Film Sales, Revenue and Gross Margin (2015-2020)
- 11.4.4 Nuovo Film Transparent Conductive Films (TCF) Products Offered
- 11.4.5 Nuovo Film Recent Development

#### 11.5 Blue nanao

- 11.5.1 Blue nanao Corporation Information
- 11.5.2 Blue nanao Description, Business Overview and Total Revenue
- 11.5.3 Blue nanao Sales, Revenue and Gross Margin (2015-2020)
- 11.5.4 Blue nanao Transparent Conductive Films (TCF) Products Offered
- 11.5.5 Blue nanao Recent Development

#### 11.6 NANOGAP

- 11.6.1 NANOGAP Corporation Information
- 11.6.2 NANOGAP Description, Business Overview and Total Revenue
- 11.6.3 NANOGAP Sales, Revenue and Gross Margin (2015-2020)
- 11.6.4 NANOGAP Transparent Conductive Films (TCF) Products Offered
- 11.6.5 NANOGAP Recent Development
- 11.7 Mogreat
- 11.7.1 Mogreat Corporation Information
- 11.7.2 Mogreat Description, Business Overview and Total Revenue
- 11.7.3 Mogreat Sales, Revenue and Gross Margin (2015-2020)
- 11.7.4 Mogreat Transparent Conductive Films (TCF) Products Offered
- 11.7.5 Mogreat Recent Development
- 11.8 Coldstones
  - 11.8.1 Coldstones Corporation Information
- 11.8.2 Coldstones Description, Business Overview and Total Revenue
- 11.8.3 Coldstones Sales, Revenue and Gross Margin (2015-2020)
- 11.8.4 Coldstones Transparent Conductive Films (TCF) Products Offered
- 11.8.5 Coldstones Recent Development
- 11.9 FujiFilm
- 11.9.1 FujiFilm Corporation Information
- 11.9.2 FujiFilm Description, Business Overview and Total Revenue
- 11.9.3 FujiFilm Sales, Revenue and Gross Margin (2015-2020)
- 11.9.4 FujiFilm Transparent Conductive Films (TCF) Products Offered
- 11.9.5 FujiFilm Recent Development
- 11.10 Gunze



- 11.10.1 Gunze Corporation Information
- 11.10.2 Gunze Description, Business Overview and Total Revenue
- 11.10.3 Gunze Sales, Revenue and Gross Margin (2015-2020)
- 11.10.4 Gunze Transparent Conductive Films (TCF) Products Offered
- 11.10.5 Gunze Recent Development

11.1 Cambrios

- 11.1.1 Cambrios Corporation Information
- 11.1.2 Cambrios Description, Business Overview and Total Revenue
- 11.1.3 Cambrios Sales, Revenue and Gross Margin (2015-2020)

11.1.4 Cambrios Transparent Conductive Films (TCF) Products Offered

11.1.5 Cambrios Recent Development

#### 12 FUTURE FORECAST BY REGIONS (COUNTRIES) (2021-2026)

12.1 Transparent Conductive Films (TCF) Market Estimates and Projections by Region12.1.1 Global Transparent Conductive Films (TCF) Sales Forecast by Regions2021-2026

12.1.2 Global Transparent Conductive Films (TCF) Revenue Forecast by Regions 2021-2026

12.2 North America Transparent Conductive Films (TCF) Market Size Forecast (2021-2026)

12.2.1 North America: Transparent Conductive Films (TCF) Sales Forecast (2021-2026)

12.2.2 North America: Transparent Conductive Films (TCF) Revenue Forecast (2021-2026)

12.2.3 North America: Transparent Conductive Films (TCF) Market Size Forecast by Country (2021-2026)

12.3 Europe Transparent Conductive Films (TCF) Market Size Forecast (2021-2026) 12.3.1 Europe: Transparent Conductive Films (TCF) Sales Forecast (2021-2026)

12.3.1 Europe. Transparent Conductive Films (TCF) Sales Forecast (2021-2020)

12.3.2 Europe: Transparent Conductive Films (TCF) Revenue Forecast (2021-2026)

12.3.3 Europe: Transparent Conductive Films (TCF) Market Size Forecast by Country (2021-2026)

12.4 Asia Pacific Transparent Conductive Films (TCF) Market Size Forecast (2021-2026)

12.4.1 Asia Pacific: Transparent Conductive Films (TCF) Sales Forecast (2021-2026)

12.4.2 Asia Pacific: Transparent Conductive Films (TCF) Revenue Forecast (2021-2026)

12.4.3 Asia Pacific: Transparent Conductive Films (TCF) Market Size Forecast by Region (2021-2026)



12.5 Latin America Transparent Conductive Films (TCF) Market Size Forecast (2021-2026)

12.5.1 Latin America: Transparent Conductive Films (TCF) Sales Forecast (2021-2026)

12.5.2 Latin America: Transparent Conductive Films (TCF) Revenue Forecast (2021-2026)

12.5.3 Latin America: Transparent Conductive Films (TCF) Market Size Forecast by Country (2021-2026)

12.6 Middle East and Africa Transparent Conductive Films (TCF) Market Size Forecast (2021-2026)

12.6.1 Middle East and Africa: Transparent Conductive Films (TCF) Sales Forecast (2021-2026)

12.6.2 Middle East and Africa: Transparent Conductive Films (TCF) Revenue Forecast (2021-2026)

12.6.3 Middle East and Africa: Transparent Conductive Films (TCF) Market Size Forecast by Country (2021-2026)

# 13 MARKET OPPORTUNITIES, CHALLENGES, RISKS AND INFLUENCES FACTORS ANALYSIS

13.1 Market Opportunities and Drivers

- 13.2 Market Challenges
- 13.3 Market Risks/Restraints

13.4 Porter's Five Forces Analysis

13.5 Primary Interviews with Key Transparent Conductive Films (TCF) Players (Opinion Leaders)

# 14 VALUE CHAIN AND SALES CHANNELS ANALYSIS

- 14.1 Value Chain Analysis
- 14.2 Transparent Conductive Films (TCF) Customers
- 14.3 Sales Channels Analysis
  - 14.3.1 Sales Channels
  - 14.3.2 Distributors

### 15 RESEARCH FINDINGS AND CONCLUSION

#### **16 APPENDIX**



16.1 Research Methodology

16.1.1 Methodology/Research Approach

16.1.2 Data Source

16.2 Author Details



# **List Of Tables**

#### LIST OF TABLES

Table 1. Transparent Conductive Films (TCF) Market Segments Table 2. Ranking of Global Top Transparent Conductive Films (TCF) Manufacturers by Revenue (US\$ Million) in 2019 Table 3. Global Transparent Conductive Films (TCF) Market Size Growth Rate by Type 2020-2026 (K sqm) & (US\$ Million) Table 4. Major Manufacturers of Silver Nanowires TCF Table 5. Major Manufacturers of Metal Mesh TCF Table 6. Major Manufacturers of Other Metal Nanowires TCF Table 7. COVID-19 Impact Global Market: (Four Transparent Conductive Films (TCF) Market Size Forecast Scenarios) Table 8. Opportunities and Trends for Transparent Conductive Films (TCF) Players in the COVID-19 Landscape Table 9. Present Opportunities in China & Elsewhere Due to the Coronavirus Crisis Table 10. Key Regions/Countries Measures against Covid-19 Impact Table 11. Proposal for Transparent Conductive Films (TCF) Players to Combat Covid-19 Impact Table 12. Global Transparent Conductive Films (TCF) Market Size Growth Rate by Application 2020-2026 (K sqm) Table 13. Global Transparent Conductive Films (TCF) Market Size by Region (K sqm) & (US\$ Million): 2020 VS 2026 Table 14. Global Transparent Conductive Films (TCF) Sales by Regions 2015-2020 (K sqm) Table 15. Global Transparent Conductive Films (TCF) Sales Market Share by Regions (2015 - 2020)Table 16. Global Transparent Conductive Films (TCF) Revenue by Regions 2015-2020 (US\$ Million) Table 17. Global Transparent Conductive Films (TCF) Sales by Manufacturers (2015-2020) (K sqm) Table 18. Global Transparent Conductive Films (TCF) Sales Share by Manufacturers (2015 - 2020)Table 19. Global Transparent Conductive Films (TCF) Manufacturers Market Concentration Ratio (CR5 and HHI) (2015-2020) Table 20. Global Transparent Conductive Films (TCF) by Company Type (Tier 1, Tier 2 and Tier 3) (based on the Revenue in Transparent Conductive Films (TCF) as of 2019) Table 21. Transparent Conductive Films (TCF) Revenue by Manufacturers (2015-2020)



(US\$ Million)

Table 22. Transparent Conductive Films (TCF) Revenue Share by Manufacturers (2015-2020)

Table 23. Key Manufacturers Transparent Conductive Films (TCF) Price (2015-2020) (USD/sqm)

Table 24. Transparent Conductive Films (TCF) Manufacturers Manufacturing Base Distribution and Headquarters

Table 25. Manufacturers Transparent Conductive Films (TCF) Product Type

Table 26. Date of International Manufacturers Enter into Transparent Conductive Films (TCF) Market

Table 27. Manufacturers Mergers & Acquisitions, Expansion Plans

Table 28. Global Transparent Conductive Films (TCF) Sales by Type (2015-2020) (K sqm)

Table 29. Global Transparent Conductive Films (TCF) Sales Share by Type (2015-2020)

Table 30. Global Transparent Conductive Films (TCF) Revenue by Type (2015-2020) (US\$ Million)

Table 31. Global Transparent Conductive Films (TCF) Revenue Share by Type (2015-2020)

Table 32. Transparent Conductive Films (TCF) Average Selling Price (ASP) by Type 2015-2020 (USD/sqm)

Table 33. Global Transparent Conductive Films (TCF) Sales by Application (2015-2020) (K sqm)

Table 34. Global Transparent Conductive Films (TCF) Sales Share by Application (2015-2020)

Table 35. North America Transparent Conductive Films (TCF) Sales by Country (2015-2020) (K sqm)

Table 36. North America Transparent Conductive Films (TCF) Sales Market Share by Country (2015-2020)

Table 37. North America Transparent Conductive Films (TCF) Revenue by Country (2015-2020) (US\$ Million)

Table 38. North America Transparent Conductive Films (TCF) Revenue Market Share by Country (2015-2020)

Table 39. North America Transparent Conductive Films (TCF) Sales by Type (2015-2020) (K sqm)

Table 40. North America Transparent Conductive Films (TCF) Sales Market Share by Type (2015-2020)

Table 41. North America Transparent Conductive Films (TCF) Sales by Application (2015-2020) (K sqm)



Table 42. North America Transparent Conductive Films (TCF) Sales Market Share by Application (2015-2020)

Table 43. Europe Transparent Conductive Films (TCF) Sales by Country (2015-2020) (K sqm)

Table 44. Europe Transparent Conductive Films (TCF) Sales Market Share by Country (2015-2020)

Table 45. Europe Transparent Conductive Films (TCF) Revenue by Country (2015-2020) (US\$ Million)

Table 46. Europe Transparent Conductive Films (TCF) Revenue Market Share by Country (2015-2020)

Table 47. Europe Transparent Conductive Films (TCF) Sales by Type (2015-2020) (K sqm)

Table 48. Europe Transparent Conductive Films (TCF) Sales Market Share by Type (2015-2020)

Table 49. Europe Transparent Conductive Films (TCF) Sales by Application (2015-2020) (K sqm)

Table 50. Europe Transparent Conductive Films (TCF) Sales Market Share by Application (2015-2020)

Table 51. Asia Pacific Transparent Conductive Films (TCF) Sales by Region (2015-2020) (K sqm)

Table 52. Asia Pacific Transparent Conductive Films (TCF) Sales Market Share by Region (2015-2020)

Table 53. Asia Pacific Transparent Conductive Films (TCF) Revenue by Region (2015-2020) (US\$ Million)

Table 54. Asia Pacific Transparent Conductive Films (TCF) Revenue Market Share by Region (2015-2020)

Table 55. Asia Pacific Transparent Conductive Films (TCF) Sales by Type (2015-2020) (K sqm)

Table 56. Asia Pacific Transparent Conductive Films (TCF) Sales Market Share by Type (2015-2020)

Table 57. Asia Pacific Transparent Conductive Films (TCF) Sales by Application (2015-2020) (K sqm)

Table 58. Asia Pacific Transparent Conductive Films (TCF) Sales Market Share by Application (2015-2020)

Table 59. Latin America Transparent Conductive Films (TCF) Sales by Country(2015-2020) (K sqm)

Table 60. Latin America Transparent Conductive Films (TCF) Sales Market Share by Country (2015-2020)

Table 61. Latin Americaa Transparent Conductive Films (TCF) Revenue by Country



(2015-2020) (US\$ Million) Table 62. Latin America Transparent Conductive Films (TCF) Revenue Market Share by Country (2015-2020) Table 63. Latin America Transparent Conductive Films (TCF) Sales by Type (2015-2020) (K sqm) Table 64. Latin America Transparent Conductive Films (TCF) Sales Market Share by Type (2015-2020) Table 65. Latin America Transparent Conductive Films (TCF) Sales by Application (2015-2020) (K sqm) Table 66. Latin America Transparent Conductive Films (TCF) Sales Market Share by Application (2015-2020) Table 67. Middle East and Africa Transparent Conductive Films (TCF) Sales by Country (2015-2020) (K sqm) Table 68. Middle East and Africa Transparent Conductive Films (TCF) Sales Market Share by Country (2015-2020) Table 69. Middle East and Africa Transparent Conductive Films (TCF) Revenue by Country (2015-2020) (US\$ Million) Table 70. Middle East and Africa Transparent Conductive Films (TCF) Revenue Market Share by Country (2015-2020) Table 71. Middle East and Africa Transparent Conductive Films (TCF) Sales by Type (2015-2020) (K sqm) Table 72. Middle East and Africa Transparent Conductive Films (TCF) Sales Market Share by Type (2015-2020) Table 73. Middle East and Africa Transparent Conductive Films (TCF) Sales by Application (2015-2020) (K sqm) Table 74. Middle East and Africa Transparent Conductive Films (TCF) Sales Market Share by Application (2015-2020) Table 75. Cambrios Corporation Information Table 76. Cambrios Description and Major Businesses Table 77. Cambrios Transparent Conductive Films (TCF) Production (K sqm), Revenue (US\$ Million), Price (USD/sqm) and Gross Margin (2015-2020) Table 78. Cambrios Product Table 79. Cambrios Recent Development Table 80. TDK Corporation Information Table 81. TDK Description and Major Businesses Table 82. TDK Transparent Conductive Films (TCF) Production (K sqm), Revenue (US\$ Million), Price (USD/sqm) and Gross Margin (2015-2020) Table 83. TDK Product Table 84. TDK Recent Development



- Table 85. 3M Corporation Information
- Table 86. 3M Description and Major Businesses
- Table 87. 3M Transparent Conductive Films (TCF) Production (K sqm), Revenue (US\$
- Million), Price (USD/sqm) and Gross Margin (2015-2020)
- Table 88. 3M Product
- Table 89. 3M Recent Development
- Table 90. Nuovo Film Corporation Information
- Table 91. Nuovo Film Description and Major Businesses
- Table 92. Nuovo Film Transparent Conductive Films (TCF) Production (K sqm),
- Revenue (US\$ Million), Price (USD/sqm) and Gross Margin (2015-2020)
- Table 93. Nuovo Film Product
- Table 94. Nuovo Film Recent Development
- Table 95. Blue nanao Corporation Information
- Table 96. Blue nanao Description and Major Businesses
- Table 97. Blue nanao Transparent Conductive Films (TCF) Production (K sqm),
- Revenue (US\$ Million), Price (USD/sqm) and Gross Margin (2015-2020)
- Table 98. Blue nanao Product
- Table 99. Blue nanao Recent Development
- Table 100. NANOGAP Corporation Information
- Table 101. NANOGAP Description and Major Businesses
- Table 102. NANOGAP Transparent Conductive Films (TCF) Production (K sqm),
- Revenue (US\$ Million), Price (USD/sqm) and Gross Margin (2015-2020)
- Table 103. NANOGAP Product
- Table 104. NANOGAP Recent Development
- Table 105. Mogreat Corporation Information
- Table 106. Mogreat Description and Major Businesses
- Table 107. Mogreat Transparent Conductive Films (TCF) Production (K sqm), Revenue
- (US\$ Million), Price (USD/sqm) and Gross Margin (2015-2020)
- Table 108. Mogreat Product
- Table 109. Mogreat Recent Development
- Table 110. Coldstones Corporation Information
- Table 111. Coldstones Description and Major Businesses
- Table 112. Coldstones Transparent Conductive Films (TCF) Production (K sqm),
- Revenue (US\$ Million), Price (USD/sqm) and Gross Margin (2015-2020)
- Table 113. Coldstones Product
- Table 114. Coldstones Recent Development
- Table 115. FujiFilm Corporation Information
- Table 116. FujiFilm Description and Major Businesses
- Table 117. FujiFilm Transparent Conductive Films (TCF) Production (K sqm), Revenue



(US\$ Million), Price (USD/sqm) and Gross Margin (2015-2020)

Table 118. FujiFilm Product

Table 119. FujiFilm Recent Development

Table 120. Gunze Corporation Information

Table 121. Gunze Description and Major Businesses

Table 122. Gunze Transparent Conductive Films (TCF) Production (K sqm), Revenue

(US\$ Million), Price (USD/sqm) and Gross Margin (2015-2020)

Table 123. Gunze Product

Table 124. Gunze Recent Development

Table 125. JTOUCH Corporation Information

Table 126. JTOUCH Description and Major Businesses

Table 127. JTOUCH Transparent Conductive Films (TCF) Sales (K sqm), Revenue

(US\$ Million), Price (USD/sqm) and Gross Margin (2015-2020)

Table 128. JTOUCH Product

Table 129. JTOUCH Recent Development

Table 130. Global Transparent Conductive Films (TCF) Sales Forecast by Regions (2021-2026) (K sqm)

Table 131. Global Transparent Conductive Films (TCF) Sales Market Share Forecast by Regions (2021-2026)

Table 132. Global Transparent Conductive Films (TCF) Revenue Forecast by Regions (2021-2026) (US\$ Million)

Table 133. Global Transparent Conductive Films (TCF) Revenue Market Share Forecast by Regions (2021-2026)

Table 134. North America: Transparent Conductive Films (TCF) Sales Forecast by Country (2021-2026) (K sqm)

Table 135. North America: Transparent Conductive Films (TCF) Revenue Forecast by Country (2021-2026) (US\$ Million)

Table 136. Europe: Transparent Conductive Films (TCF) Sales Forecast by Country (2021-2026) (K sqm)

Table 137. Europe: Transparent Conductive Films (TCF) Revenue Forecast by Country (2021-2026) (US\$ Million)

Table 138. Asia Pacific: Transparent Conductive Films (TCF) Sales Forecast by Region (2021-2026) (K sqm)

Table 139. Asia Pacific: Transparent Conductive Films (TCF) Revenue Forecast by Region (2021-2026) (US\$ Million)

Table 140. Latin America: Transparent Conductive Films (TCF) Sales Forecast by Country (2021-2026) (K sqm)

Table 141. Latin America: Transparent Conductive Films (TCF) Revenue Forecast by Country (2021-2026) (US\$ Million)



Table 142. Middle East and Africa: Transparent Conductive Films (TCF) Sales Forecast by Country (2021-2026) (K sqm)

Table 143. Middle East and Africa: Transparent Conductive Films (TCF) Revenue Forecast by Country (2021-2026) (US\$ Million)

Table 144. Key Opportunities and Drivers: Impact Analysis (2021-2026)

Table 145. Key Challenges

Table 146. Market Risks

Table 147. Main Points Interviewed from Key Transparent Conductive Films (TCF) Players

Table 148. Transparent Conductive Films (TCF) Customers List

Table 149. Transparent Conductive Films (TCF) Distributors List

Table 150. Research Programs/Design for This Report

Table 151. Key Data Information from Secondary Sources

Table 152. Key Data Information from Primary Sources



# **List Of Figures**

#### LIST OF FIGURES

Figure 1. Transparent Conductive Films (TCF) Product Picture

Figure 2. Global Transparent Conductive Films (TCF) Sales Market Share by Type in 2020 & 2026

Figure 3. Silver Nanowires TCF Product Picture

Figure 4. Metal Mesh TCF Product Picture

Figure 5. Other Metal Nanowires TCF Product Picture

Figure 6. Global Transparent Conductive Films (TCF) Sales Market Share by

Application in 2020 & 2026

Figure 7. Liquid-crystal Displays

Figure 8. OLEDs

- Figure 9. Touchscreens
- Figure 10. Others

Figure 11. Transparent Conductive Films (TCF) Report Years Considered

Figure 12. Global Transparent Conductive Films (TCF) Market Size 2015-2026 (US\$ Million)

Figure 13. Global Transparent Conductive Films (TCF) Sales 2015-2026 (K sqm)

Figure 14. Global Transparent Conductive Films (TCF) Market Size Market Share by Region: 2020 Versus 2026

Figure 15. Global Transparent Conductive Films (TCF) Sales Market Share by Region (2015-2020)

Figure 16. Global Transparent Conductive Films (TCF) Sales Market Share by Region in 2019

Figure 17. Global Transparent Conductive Films (TCF) Revenue Market Share by Region (2015-2020)

Figure 18. Global Transparent Conductive Films (TCF) Revenue Market Share by Region in 2019

Figure 19. Global Transparent Conductive Films (TCF) Sales Share by Manufacturer in 2019

Figure 20. The Top 10 and 5 Players Market Share by Transparent Conductive Films (TCF) Revenue in 2019

Figure 21. Transparent Conductive Films (TCF) Market Share by Company Type (Tier 1, Tier 2 and Tier 3): 2015 VS 2019

Figure 22. Global Transparent Conductive Films (TCF) Sales Market Share by Type (2015-2020)

Figure 23. Global Transparent Conductive Films (TCF) Sales Market Share by Type in



2019

Figure 24. Global Transparent Conductive Films (TCF) Revenue Market Share by Type (2015-2020)

Figure 25. Global Transparent Conductive Films (TCF) Revenue Market Share by Type in 2019

Figure 26. Global Transparent Conductive Films (TCF) Market Share by Price Range (2015-2020)

Figure 27. Global Transparent Conductive Films (TCF) Sales Market Share by Application (2015-2020)

Figure 28. Global Transparent Conductive Films (TCF) Sales Market Share by Application in 2019

Figure 29. Global Transparent Conductive Films (TCF) Revenue Market Share by Application (2015-2020)

Figure 30. Global Transparent Conductive Films (TCF) Revenue Market Share by Application in 2019

Figure 31. North America Transparent Conductive Films (TCF) Sales Growth Rate 2015-2020 (K sqm)

Figure 32. North America Transparent Conductive Films (TCF) Revenue Growth Rate 2015-2020 (US\$ Million)

Figure 33. North America Transparent Conductive Films (TCF) Sales Market Share by Country in 2019

Figure 34. North America Transparent Conductive Films (TCF) Revenue Market Share by Country in 2019

Figure 35. U.S. Transparent Conductive Films (TCF) Sales Growth Rate (2015-2020) (K sqm)

Figure 36. U.S. Transparent Conductive Films (TCF) Revenue Growth Rate (2015-2020) (US\$ Million)

Figure 37. Canada Transparent Conductive Films (TCF) Sales Growth Rate (2015-2020) (K sqm)

Figure 38. Canada Transparent Conductive Films (TCF) Revenue Growth Rate (2015-2020) (US\$ Million)

Figure 39. North America Transparent Conductive Films (TCF) Market Share by Type in 2019

Figure 40. North America Transparent Conductive Films (TCF) Market Share by Application in 2019

Figure 41. Europe Transparent Conductive Films (TCF) Sales Growth Rate 2015-2020 (K sqm)

Figure 42. Europe Transparent Conductive Films (TCF) Revenue Growth Rate 2015-2020 (US\$ Million)



Figure 43. Europe Transparent Conductive Films (TCF) Sales Market Share by Country in 2019

Figure 44. Europe Transparent Conductive Films (TCF) Revenue Market Share by Country in 2019

Figure 45. Germany Transparent Conductive Films (TCF) Sales Growth Rate (2015-2020) (K sqm)

Figure 46. Germany Transparent Conductive Films (TCF) Revenue Growth Rate (2015-2020) (US\$ Million)

Figure 47. France Transparent Conductive Films (TCF) Sales Growth Rate (2015-2020) (K sqm)

Figure 48. France Transparent Conductive Films (TCF) Revenue Growth Rate (2015-2020) (US\$ Million)

Figure 49. U.K. Transparent Conductive Films (TCF) Sales Growth Rate (2015-2020) (K sqm)

Figure 50. U.K. Transparent Conductive Films (TCF) Revenue Growth Rate (2015-2020) (US\$ Million)

Figure 51. Italy Transparent Conductive Films (TCF) Sales Growth Rate (2015-2020) (K sqm)

Figure 52. Italy Transparent Conductive Films (TCF) Revenue Growth Rate (2015-2020) (US\$ Million)

Figure 53. Russia Transparent Conductive Films (TCF) Sales Growth Rate (2015-2020) (K sqm)

Figure 54. Russia Transparent Conductive Films (TCF) Revenue Growth Rate (2015-2020) (US\$ Million)

Figure 55. Europe Transparent Conductive Films (TCF) Market Share by Type in 2019 Figure 56. Europe Transparent Conductive Films (TCF) Market Share by Application in 2019

Figure 57. Asia Pacific Transparent Conductive Films (TCF) Sales Growth Rate 2015-2020 (K sqm)

Figure 58. Asia Pacific Transparent Conductive Films (TCF) Revenue Growth Rate 2015-2020 (US\$ Million)

Figure 59. Asia Pacific Transparent Conductive Films (TCF) Sales Market Share by Region in 2019

Figure 60. Asia Pacific Transparent Conductive Films (TCF) Revenue Market Share by Region in 2019

Figure 61. China Transparent Conductive Films (TCF) Sales Growth Rate (2015-2020) (K sqm)

Figure 62. China Transparent Conductive Films (TCF) Revenue Growth Rate (2015-2020) (US\$ Million)



Figure 63. Japan Transparent Conductive Films (TCF) Sales Growth Rate (2015-2020) (K sqm)

Figure 64. Japan Transparent Conductive Films (TCF) Revenue Growth Rate (2015-2020) (US\$ Million)

Figure 65. South Korea Transparent Conductive Films (TCF) Sales Growth Rate (2015-2020) (K sqm)

Figure 66. South Korea Transparent Conductive Films (TCF) Revenue Growth Rate (2015-2020) (US\$ Million)

Figure 67. India Transparent Conductive Films (TCF) Sales Growth Rate (2015-2020) (K sqm)

Figure 68. India Transparent Conductive Films (TCF) Revenue Growth Rate (2015-2020) (US\$ Million)

Figure 69. Australia Transparent Conductive Films (TCF) Sales Growth Rate (2015-2020) (K sqm)

Figure 70. Australia Transparent Conductive Films (TCF) Revenue Growth Rate (2015-2020) (US\$ Million)

Figure 71. Taiwan Transparent Conductive Films (TCF) Sales Growth Rate (2015-2020) (K sqm)

Figure 72. Taiwan Transparent Conductive Films (TCF) Revenue Growth Rate (2015-2020) (US\$ Million)

Figure 73. Indonesia Transparent Conductive Films (TCF) Sales Growth Rate (2015-2020) (K sqm)

Figure 74. Indonesia Transparent Conductive Films (TCF) Revenue Growth Rate (2015-2020) (US\$ Million)

Figure 75. Thailand Transparent Conductive Films (TCF) Sales Growth Rate (2015-2020) (K sqm)

Figure 76. Thailand Transparent Conductive Films (TCF) Revenue Growth Rate (2015-2020) (US\$ Million)

Figure 77. Malaysia Transparent Conductive Films (TCF) Sales Growth Rate (2015-2020) (K sqm)

Figure 78. Malaysia Transparent Conductive Films (TCF) Revenue Growth Rate (2015-2020) (US\$ Million)

Figure 79. Philippines Transparent Conductive Films (TCF) Sales Growth Rate (2015-2020) (K sqm)

Figure 80. Philippines Transparent Conductive Films (TCF) Revenue Growth Rate (2015-2020) (US\$ Million)

Figure 81. Vietnam Transparent Conductive Films (TCF) Sales Growth Rate (2015-2020) (K sqm)

Figure 82. Vietnam Transparent Conductive Films (TCF) Revenue Growth Rate



(2015-2020) (US\$ Million)

Figure 83. Asia Pacific Transparent Conductive Films (TCF) Market Share by Type in 2019 Figure 84. Asia Pacific Transparent Conductive Films (TCF) Market Share by Application in 2019 Figure 85. Latin America Transparent Conductive Films (TCF) Sales Growth Rate 2015-2020 (K sqm) Figure 86. Latin America Transparent Conductive Films (TCF) Revenue Growth Rate 2015-2020 (US\$ Million) Figure 87. Latin America Transparent Conductive Films (TCF) Sales Market Share by Country in 2019 Figure 88. Latin America Transparent Conductive Films (TCF) Revenue Market Share by Country in 2019 Figure 89. Mexico Transparent Conductive Films (TCF) Sales Growth Rate (2015-2020) (K sqm) Figure 90. Mexico Transparent Conductive Films (TCF) Revenue Growth Rate (2015-2020) (US\$ Million) Figure 91. Brazil Transparent Conductive Films (TCF) Sales Growth Rate (2015-2020) (K sqm) Figure 92. Brazil Transparent Conductive Films (TCF) Revenue Growth Rate (2015-2020) (US\$ Million) Figure 93. Argentina Transparent Conductive Films (TCF) Sales Growth Rate (2015-2020) (K sqm) Figure 94. Argentina Transparent Conductive Films (TCF) Revenue Growth Rate (2015-2020) (US\$ Million) Figure 95. Latin America Transparent Conductive Films (TCF) Market Share by Type in 2019 Figure 96. Latin America Transparent Conductive Films (TCF) Market Share by Application in 2019 Figure 97. Middle East and Africa Transparent Conductive Films (TCF) Sales Growth Rate 2015-2020 (K sqm) Figure 98. Middle East and Africa Transparent Conductive Films (TCF) Revenue Growth Rate 2015-2020 (US\$ Million) Figure 99. Middle East and Africa Transparent Conductive Films (TCF) Sales Market Share by Country in 2019 Figure 100. Middle East and Africa Transparent Conductive Films (TCF) Revenue Market Share by Country in 2019 Figure 101. Turkey Transparent Conductive Films (TCF) Sales Growth Rate

(2015-2020) (K sqm)



Figure 102. Turkey Transparent Conductive Films (TCF) Revenue Growth Rate (2015-2020) (US\$ Million)

Figure 103. Saudi Arabia Transparent Conductive Films (TCF) Sales Growth Rate (2015-2020) (K sqm)

Figure 104. Saudi Arabia Transparent Conductive Films (TCF) Revenue Growth Rate (2015-2020) (US\$ Million)

Figure 105. UAE Transparent Conductive Films (TCF) Sales Growth Rate (2015-2020) (K sqm)

Figure 106. UAE Transparent Conductive Films (TCF) Revenue Growth Rate (2015-2020) (US\$ Million)

Figure 107. Middle East and Africa Transparent Conductive Films (TCF) Market Share by Type in 2019

Figure 108. Middle East and Africa Transparent Conductive Films (TCF) Market Share by Application in 2019

Figure 109. Cambrios Total Revenue (US\$ Million): 2019 Compared with 2018

Figure 110. TDK Total Revenue (US\$ Million): 2019 Compared with 2018

Figure 111. 3M Total Revenue (US\$ Million): 2019 Compared with 2018

Figure 112. Nuovo Film Total Revenue (US\$ Million): 2019 Compared with 2018

Figure 113. Blue nanao Total Revenue (US\$ Million): 2019 Compared with 2018

Figure 114. NANOGAP Total Revenue (US\$ Million): 2019 Compared with 2018

Figure 115. Mogreat Total Revenue (US\$ Million): 2019 Compared with 2018

Figure 116. Coldstones Total Revenue (US\$ Million): 2019 Compared with 2018

Figure 117. FujiFilm Total Revenue (US\$ Million): 2019 Compared with 2018

Figure 118. Gunze Total Revenue (US\$ Million): 2019 Compared with 2018

Figure 119. JTOUCH Total Revenue (US\$ Million): 2019 Compared with 2018

Figure 120. North America Transparent Conductive Films (TCF) Sales Growth Rate Forecast (2021-2026) (K sqm)

Figure 121. North America Transparent Conductive Films (TCF) Revenue Growth Rate Forecast (2021-2026) (US\$ Million)

Figure 122. Europe Transparent Conductive Films (TCF) Sales Growth Rate Forecast (2021-2026) (K sqm)

Figure 123. Europe Transparent Conductive Films (TCF) Revenue Growth Rate Forecast (2021-2026) (US\$ Million)

Figure 124. Asia Pacific Transparent Conductive Films (TCF) Sales Growth Rate Forecast (2021-2026) (K sqm)

Figure 125. Asia Pacific Transparent Conductive Films (TCF) Revenue Growth Rate Forecast (2021-2026) (US\$ Million)

Figure 126. Latin America Transparent Conductive Films (TCF) Sales Growth Rate Forecast (2021-2026) (K sqm)



Figure 127. Latin America Transparent Conductive Films (TCF) Revenue Growth Rate Forecast (2021-2026) (US\$ Million)

Figure 128. Middle East and Africa Transparent Conductive Films (TCF) Sales Growth Rate Forecast (2021-2026) (K sqm)

Figure 129. Middle East and Africa Transparent Conductive Films (TCF) Revenue

Growth Rate Forecast (2021-2026) (US\$ Million)

Figure 130. Porter's Five Forces Analysis

Figure 131. Channels of Distribution

- Figure 132. Distributors Profiles
- Figure 133. Bottom-up and Top-down Approaches for This Report
- Figure 134. Data Triangulation
- Figure 135. Key Executives Interviewed



#### I would like to order

Product name: Global Transparent Conductive Films (TCF) Market Insights, Forecast to 2026 Product link: <u>https://marketpublishers.com/r/G001B04348CCEN.html</u>

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: <u>info@marketpublishers.com</u>

#### Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <u>https://marketpublishers.com/r/G001B04348CCEN.html</u>

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

Custumer signature \_\_\_\_\_

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

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