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DIATECH

Technology for Transparency Report
3rd Edition

December 2024

DIATRACE

Company Information:

Diatech Platforms

Jumeirah Lake Towers

Almas Tower 8E

Dubai, United Arab Emirates

Contact Person:

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Website:

www.diatech.ai

Company Description:

Diatech Platforms specializes in advanced technology solutions tailored for the Gems & Jewelry industry. By harnessing the power of AI (artificial intelligence) and web3, Diatech empowers businesses to make data-driven decisions in key areas such as demand-supply dynamics, price analytics, and market forecasting. Diatech also supports sustainable practices through Diatrace - its blockchain powered provenance and ESG tracking system, ensuring transparency across the supply chain. Diatech also provides advance technologies on cutting-polishing of special stones and natural fancy colour optimization for diamonds. Trusted by industry leaders, Diatech AI helps businesses stay competitive and ahead of evolving market trends.

Number of employees: 51-200

MISSION

To revolutionize the diamond industry through cutting-edge technology that ensures complete transparency, ethical sourcing, and sustainability for both natural and lab-grown diamonds. We aim to provide unparalleled traceability with thorough certification standards to promote trust and integrity for all diamonds.

Advanced solutions for the diamond industry.

VISION

To become the global benchmark for ethical and sustainable diamonds, setting new standards in environmental and social responsibility through innovative technology solutions, and to give a voice to all the positive impact of diamonds in the world.
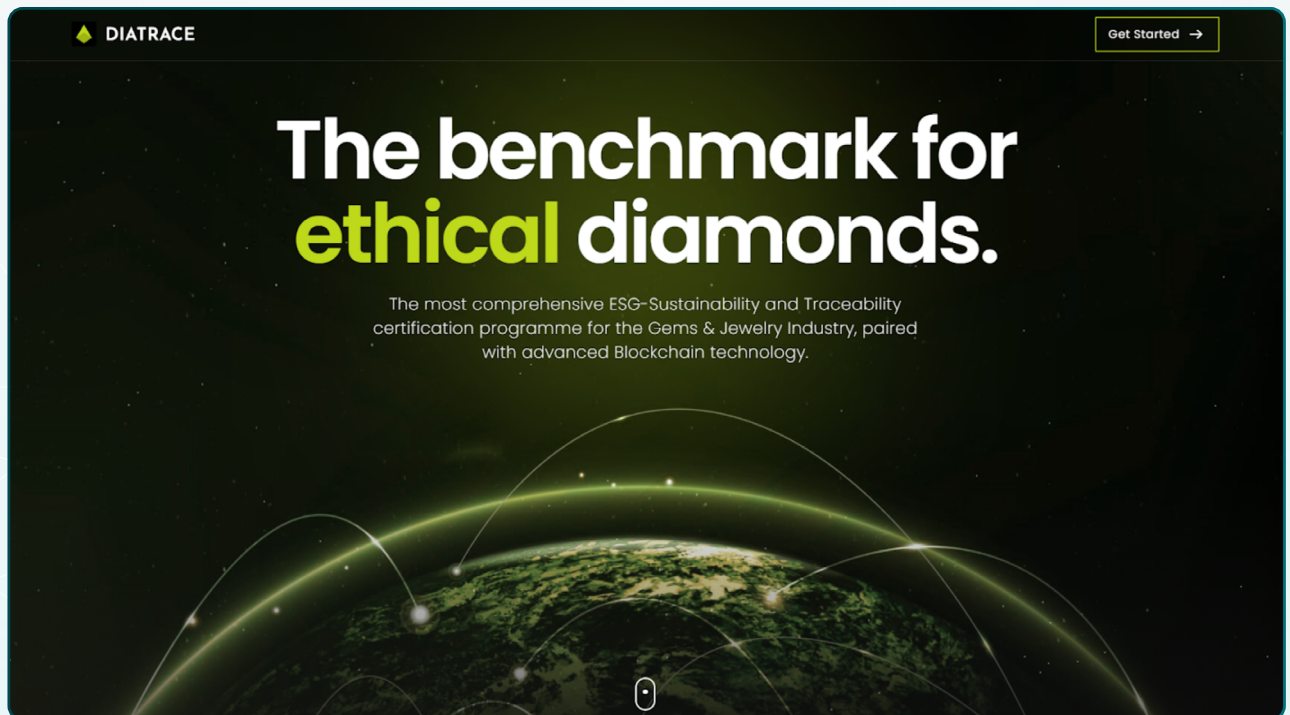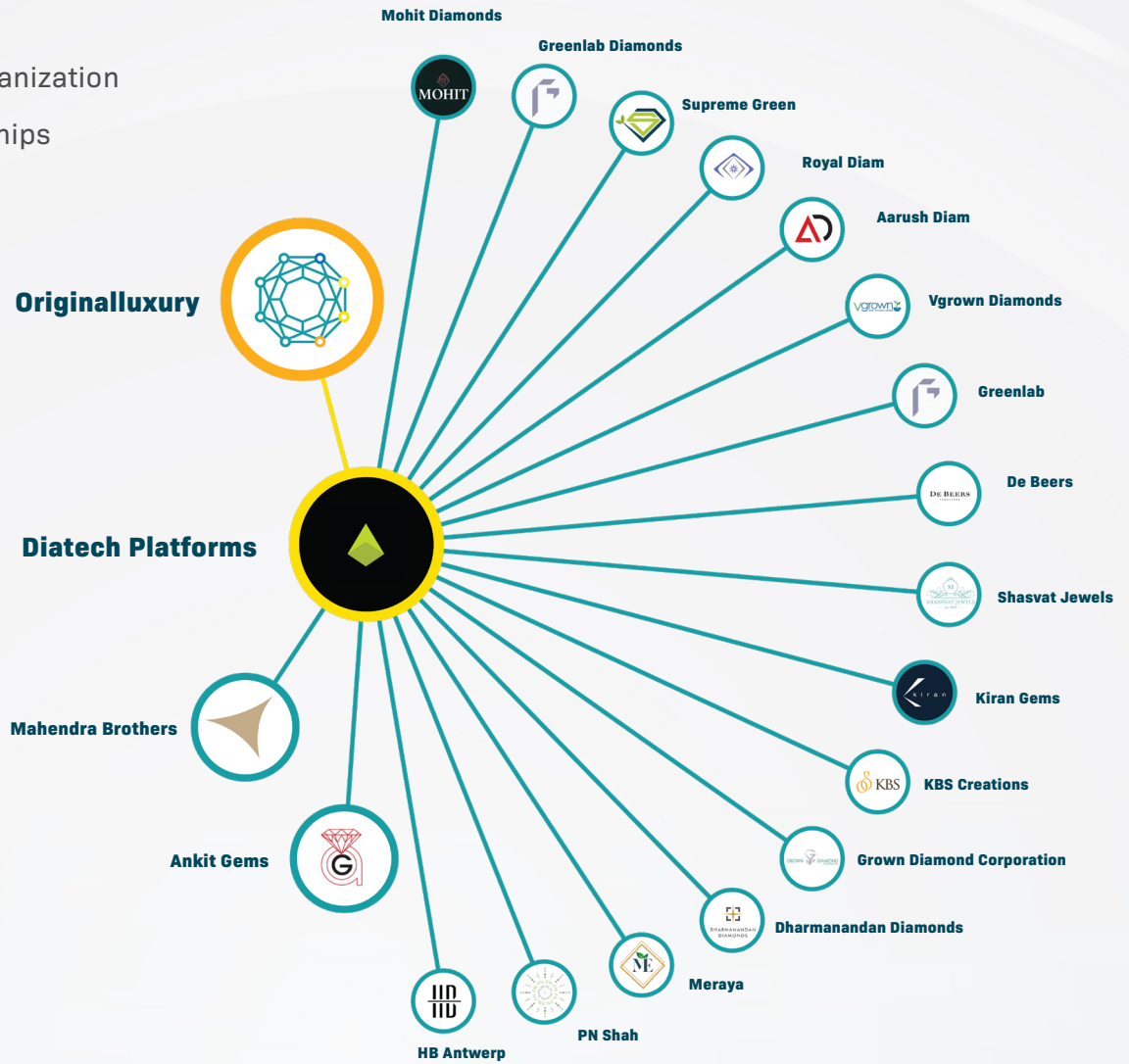
IMPACT

By pioneering comprehensive traceability and ESG rating processes, Diatech empowers consumers and businesses to make informed choices, fostering a diamond industry that is accountable, transparent and sustainable. At the same time, Diatech empowers diamond manufacturers to convey the facts of all the positive impact of diamonds on communities and the environment.

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Legend:

- 🟠 Core Organization
- 🟡 Partnerships
- 🟢 Clients

Originalluxury

Diatech Platforms

Mohit Diamonds

Greenlab Diamonds

Supreme Green

Royal Diam

Aarush Diam

Vgrown Diamonds

Greenlab

De Beers

Shasvat Jewels

Kiran Gems

KBS Creations

Grown Diamond Corporation

Dharmanandan Diamonds

Meraya

PN Shah

HB Antwerp

Ankit Gems

Mahendra Brothers

◆ DIATRACE

Get Started →

The benchmark for ethical diamonds.

The most comprehensive ESG-Sustainability and Traceability certification programme for the Gems & Jewelry Industry, paired with advanced Blockchain technology.

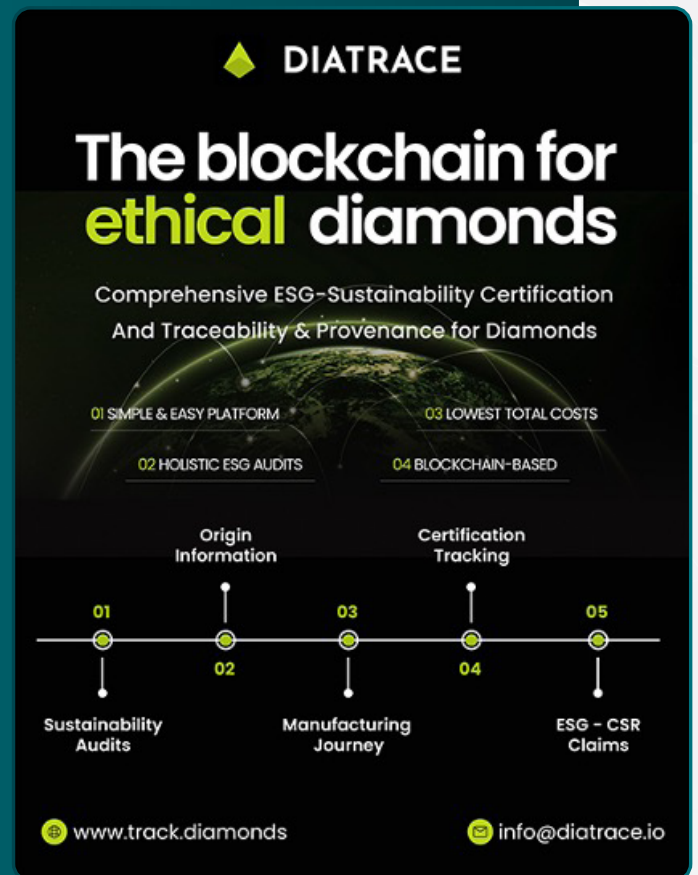ORIGINALLUXURY

Solution I:

Solution Name

- Diatrace

Solution Overview

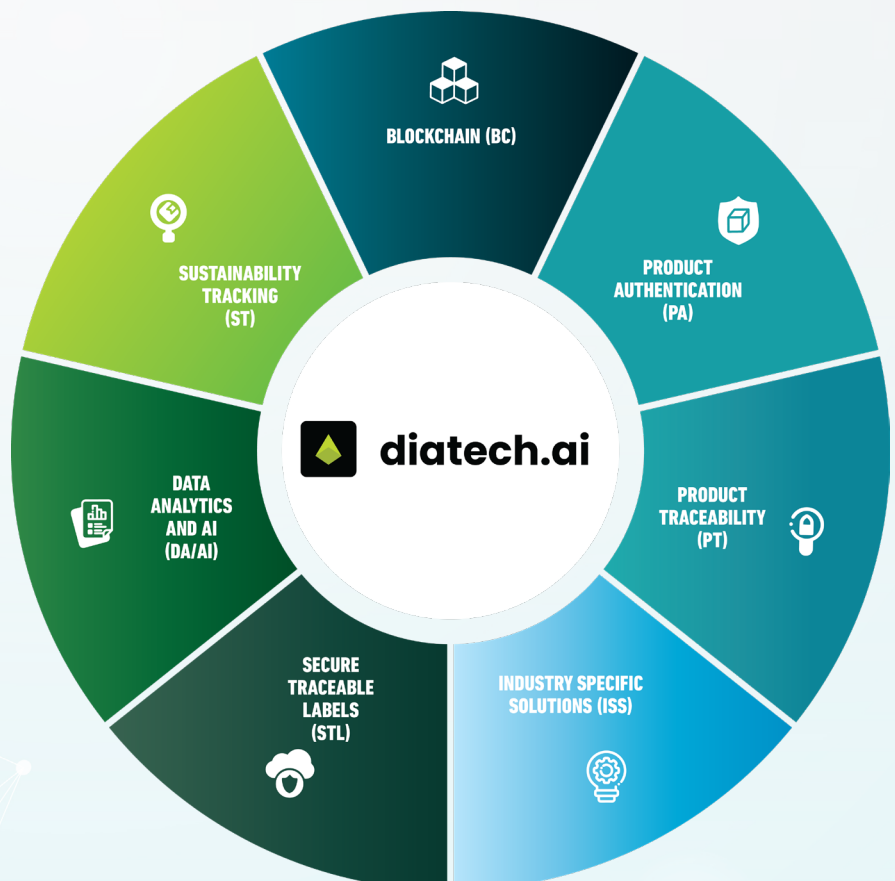- Diatrace provides comprehensive traceability and ESG certification for diamonds, utilizing AI and blockchain to ensure transparency from source to sale. Its platform offers secure, real-time tracking of both natural and lab-grown diamonds, promoting ethical and sustainable practices.
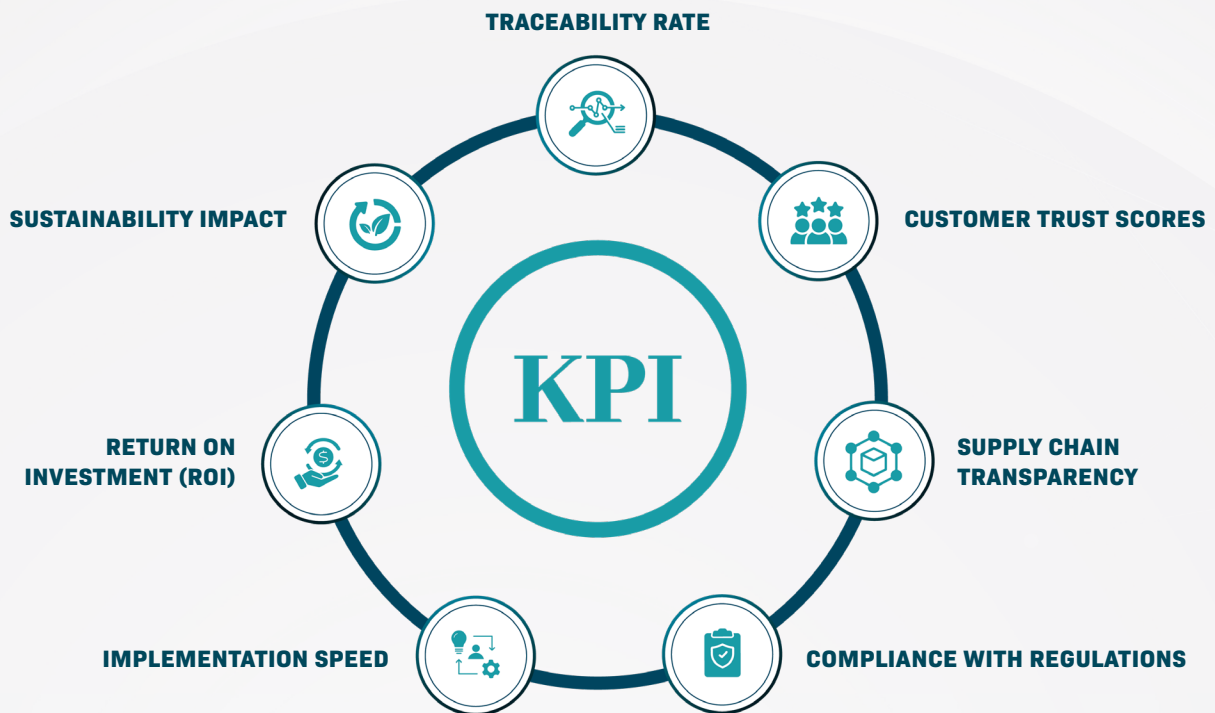
Geography:

- India
- United States
- United Arab Emirates
- Botswana

Technology Used:

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KPIs used to measure the effectiveness of our solution.

TRACEABILITY RATE

SUSTAINABILITY IMPACT

CUSTOMER TRUST SCORES

KPI

RETURN ON INVESTMENT (ROI)

SUPPLY CHAIN TRANSPARENCY

IMPLEMENTATION SPEED

COMPLIANCE WITH REGULATIONS

Data Points for solution:

- Number of items benefiting from our solution
  - Over 50,000 carats worth of diamonds and jewelry have already been traced through the Diatrace platform.

- Percentage increase in traceability/transparency/trust
  - Compared to non-existent systems and processes before the implementation of the Diatrace programme, companies have gone from 0 to 100 through this program.

- Number of brands/suppliers adopting the solution
  - Over 30 manufacturers are registered on the platform, and many more retailers consume data from here.

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Solution II:

Solution Name
- Diatech Analytics

Solution Overview
- Diatech Analytics empowers businesses with the power of AI to make better decisions.

Geography:
- India
- United Arab Emirate
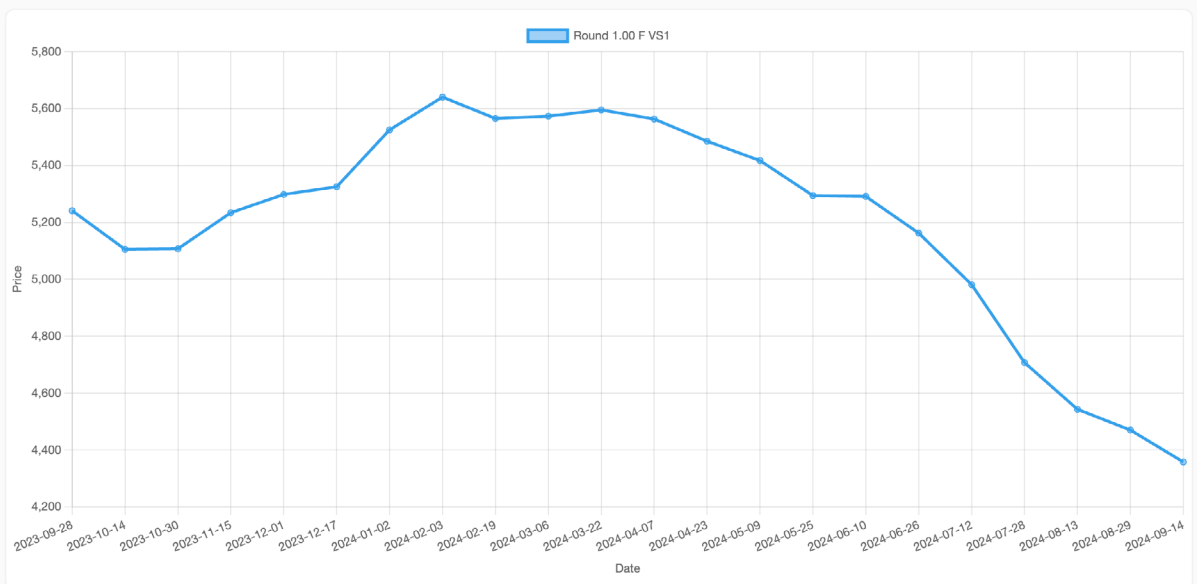- Belgium
- United States of America
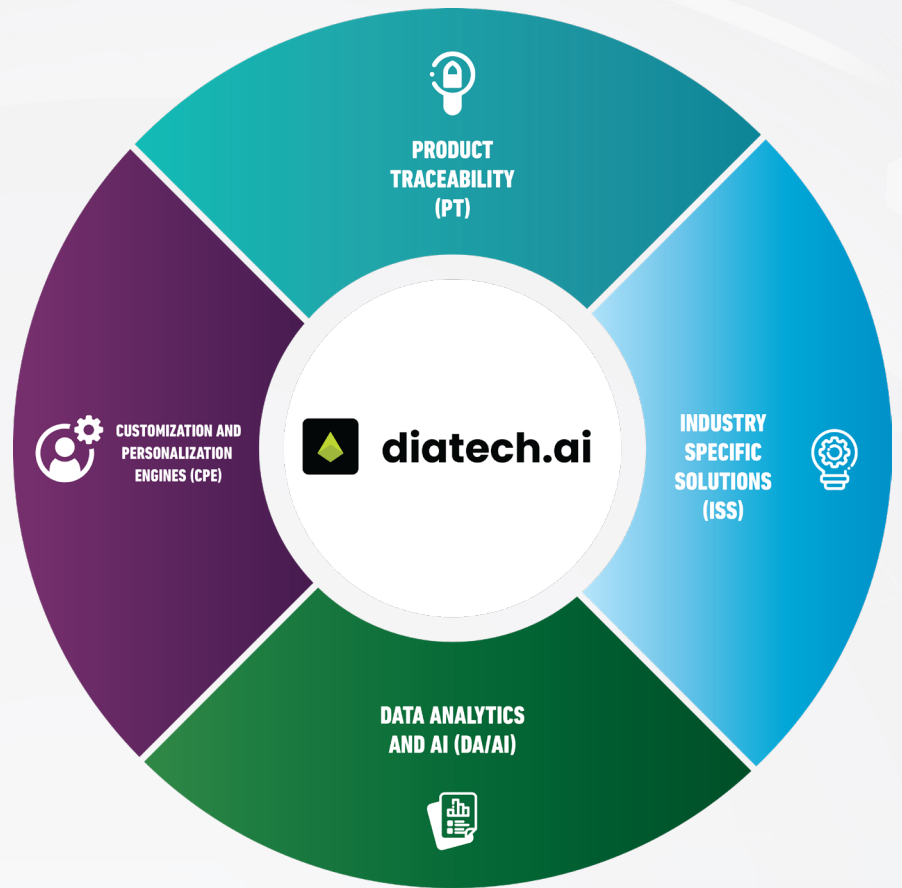- Botswana
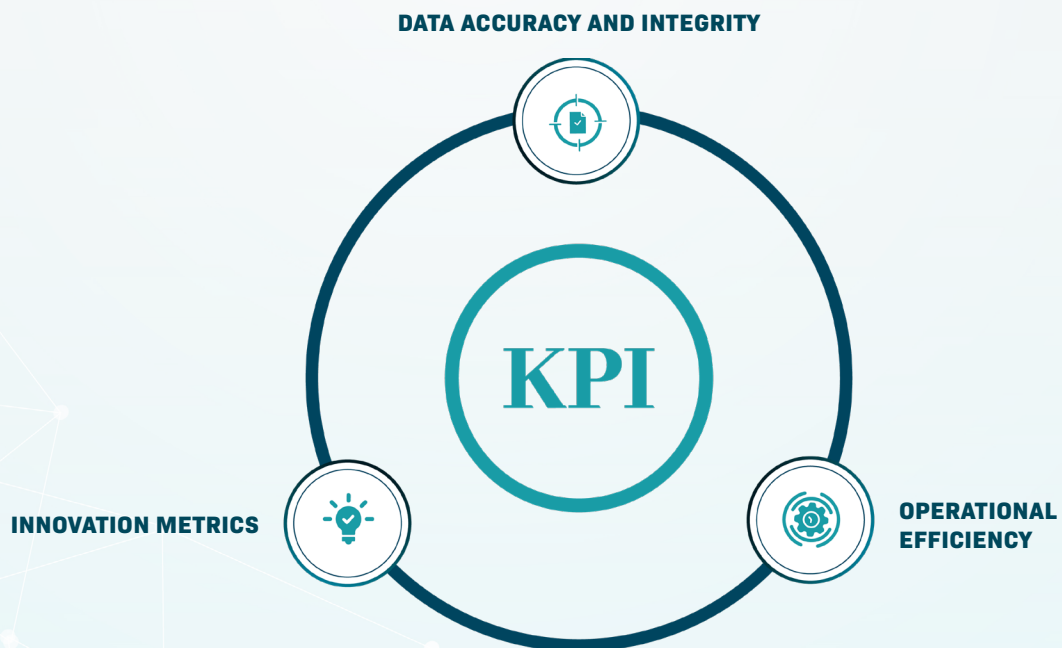- Hong Kong

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Price Trends Natural

Round 1.00 F VS1 ×

My Stock
Price Trends
Planning
API Docs
Back
Support
Logout

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My Stock `Natural`

Stock Levels Movement Supply Summary Price Trends

Sidebar: My Stock · Price Trends · Planning · API Docs · Back · Support · Logout

Round · Pear · Princess · Radiant · Cushion · Heart · Oval · Emerald · Marquise

ⓘ The heatmap below represents an estimate of how many days worth of stock you have in the respective SKUs based on past sales and current stock. Black spots indicate lack of data.

Overstock ————————————————————— Understock

00.30-00.39

	IF	VVS	VS	SI	I	TOT
DEF	94 (44)	54 (134)	46 (83)	45 (9)		54 (270)
GHI	135 (9)	32 (18)	65 (28)			53 (57)
JK+						
TOT	99 (53)	50 (152)	50 (111)	55 (11)		54 (327)

00.40-00.49

	IF	VVS	VS	SI	I	TOT
DEF	67 (20)	49 (59)	20 (28)	120 (4)		38 (111)
GHI	75 (5)	55 (11)	17 (11)			31 (28)
JK+						
TOT	68 (25)	50 (70)	20 (40)	150 (5)		37 (140)

00.50-00.59

	IF	VVS	VS	SI	I	TOT
DEF	70 (21)	42 (81)	74 (104)	28 (29)		51 (236)
GHI		111 (48)	86 (66)			126 (151)
JK+						
TOT	143 (43)	55 (130)	79 (172)	44 (45)		67 (391)

00.60-00.69

	IF	VVS	VS	SI	I	TOT
DEF	345 (23)	45 (42)	40 (16)			61 (86)
GHI	150 (5)	92 (18)	38 (10)	60 (4)		65 (37)
JK+						
TOT	280 (28)	56 (64)	44 (29)	135 (9)		66 (130)

00.70-00.79

	IF	VVS	VS	SI	I	TOT
DEF	63 (21)	44 (70)	44 (93)	116 (54)		53 (239)
GHI	160 (32)	79 (131)	140 (140)	480 (48)		119 (352)
JK+	180 (6)	1770 (59)	115 (23)			341 (91)
TOT	104 (59)	79 (260)	77 (256)	185 (105)		88 (682)

00.80-00.89

	IF	VVS	VS	SI	I	TOT
DEF	90 (9)	300 (70)	73 (58)	228 (38)		135 (175)
GHI	450 (15)	81 (51)	88 (53)	150 (35)		104 (156)
JK+	30 (6)	180 (42)	52 (19)			89 (71)
TOT	90 (30)	148 (163)	74 (130)	193 (77)		112 (402)

00.90-00.99

	IF	VVS	VS	SI	I	TOT
DEF	72 (12)	488 (65)	44 (43)	330 (22)		107 (142)

01.00-01.49

	IF	VVS	VS	SI	I	TOT
DEF	23 (21)	19 (62)	22 (77)	51 (80)	3 (3)	24 (243)

01.50-01.99

	IF	VVS	VS	SI	I	TOT
DEF	12 (2)	19 (9)	8 (4)	58 (29)	10 (1)	25 (45)

Market Analytics `Natural`

Leverage the power of AI to get a realtime pulse on the market. Harness the power of machine learning, analytics and automation with our suite of tools to make smarter, more informed decisions.

Diatech Diamond Index

Sidebar: Pricing AI · Movement · Supply · Certificates · Economy · AI Forecast · Marketplace · Premium · Natural · Support · Logout

70.00 (▼ −6.07%)

Y-axis: Diamond Index 2017=100 (60–150). X-axis: Jan 2017 – Sep 2024

ⓘ The above index measures natural diamond prices compared to 2017 as a benchmark for a basket of Round 1ct 3EX NON GIA stones across colors and clarities.

Technology Used:

- PRODUCT TRACEABILITY (PT)
- INDUSTRY SPECIFIC SOLUTIONS (ISS)
- DATA ANALYTICS AND AI (DA/AI)
- CUSTOMIZATION AND PERSONALIZATION ENGINES (CPE)

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KPIs used to measure the effectiveness of our solution.

- DATA ACCURACY AND INTEGRITY
- OPERATIONAL EFFICIENCY
- INNOVATION METRICS

KPI

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Data Points for solution:

- Number of items benefiting from our solution
  - Over 600,000 carats of inventory flowing through the Diatech Platform
- Percentage increase in traceability/transparency/trust
  - Through improvements in data availability, users are able to price goods 4x more frequently and with higher accuracy with much less manual effort. This is improving the transparency by at least 35-40% by making data more visible.
- Number of brands/suppliers adopting the solution
  - 900+ users

Solution III:

Solution Name
- Diatech ERP

Solution Overview
- Helping the diamond industry solve enterprise challenges with cutting-edge software

Geography:
- India
- UAE

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Technology Used:

PRODUCT TRACEABILITY (PT)

DATA ANALYTICS AND AI (DA/AI)

INDUSTRY SPECIFIC SOLUTIONS (ISS)

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KPIs used to measure the effectiveness of our solution.

TRACEABILITY RATE

OPERATIONAL EFFICIENCY

CUSTOMER TRUST SCORES

KPI

CUSTOMER SUPPORT EFFECTIVENESS

DATA ACCURACY AND INTEGRITY

Data Points for solution:

- Number of items benefiting from our solution
  - ▪ Millions of carats tracked through our ERP systems in over 20 years of our legacy.

- Percentage increase in traceability/transparency/trust
  - ▪ Compared to Excel, companies now have access to 25x more data at a granular level for reporting and insights.

- Reduction in fraudulent activities
  - ▪ With a closer tracking of all the operations, companies have been able to reduce significant risks of goods switching, broker fraud and other fraudulent activities within an organization.

- Number of brands/suppliers adopting the solution
  - ▪ 50-60

Contact Information :

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- ▪ ERP Team: tech@lemontechnologies.net

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