



User Manual SIRIM Blockchain Verification Platform (Version 2.0)

Prepared by:
Smart Manufacturing Centre,
SIRIM Bukit Jalil

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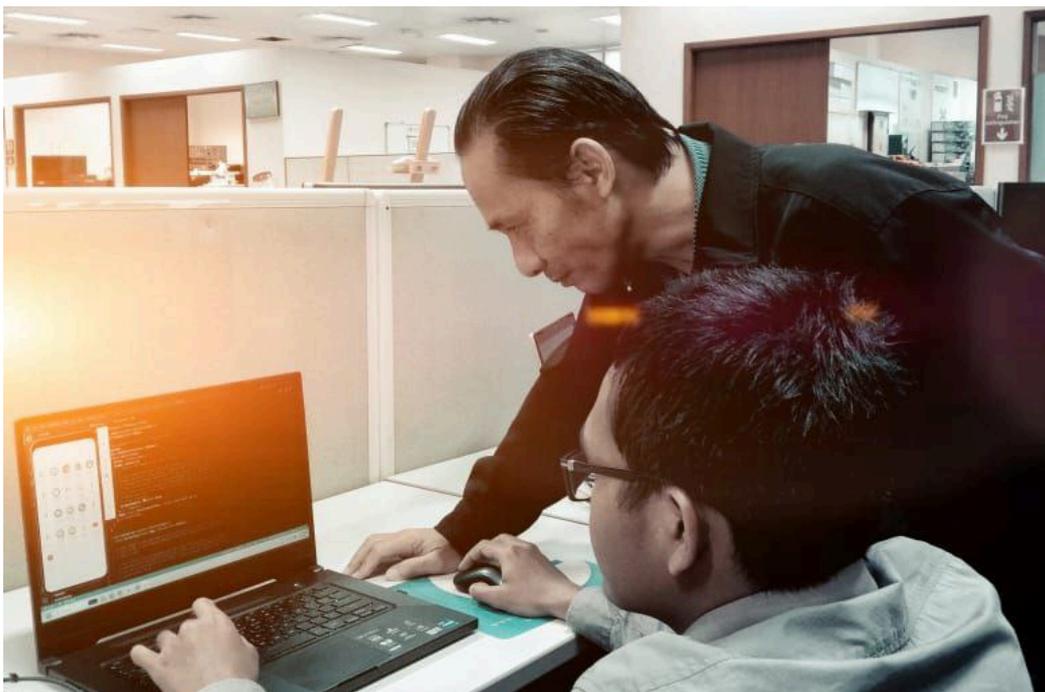
View Contact Us

INTRODUCTION

Welcome to our SIRIM Blockchain Verification Platform User Manual – your essential resource for understanding and using our platform. This comprehensive guide provides you with the information needed to navigate and utilize our platform effectively blockchain-integrated platform designed to help you verify the authenticity of products quickly and securely

This guide provides essential information on how to navigate the platform's features, use the verification tools effectively, and ensure the integrity of the product data you access.

We believe that knowledgeable users can maximize the platform's potential, and this manual serves as your go-to resource for confident and accurate product verification.



By leveraging blockchain technology, we offer a secure, transparent, and tamper-proof mechanism for certificate verification, adding value and trust to the verification process.

WHAT YOU CAN DO?

Features and Functions

Verify Product

You can verify the authenticity of a product by scanning the QR code or manually entering the product serial number. This will retrieve the product verification data from the blockchain.

View Product Information After Verification

You can view detailed product information once the product's authenticity is verified, including the blockchain status and other relevant data linked to the product.

View Blockchain Block Number

You can view the current blockchain block number, providing real-time insight into the platform's data integrity.

View About Us

You can learn about the company's background, including its history, values, and purpose. This section provides context about the organization behind the platform, helping users understand its origins and goals.

View Gallery

You can explore images and multimedia content related to the platform. The gallery showcases relevant visuals, enhancing the user experience and providing a visual understanding of the platform's activities or offerings.

View Contact Us

This section provides essential contact information, including the company's physical address, telephone number, and email address. Additionally, you can access a QR code for quick contact, along with clickable links to the company's social media profiles for seamless engagement.

Benefits for You

1

Enhanced Security

The use of blockchain ensures that product information are securely stored and cannot be altered or tampered with.

2

Transparency

You can check the authenticity and validity of products with ease, ensuring greater trust in the process.

3

Efficiency

Automated verification using QR codes streamlines the process, reducing the need for manual verification.

4

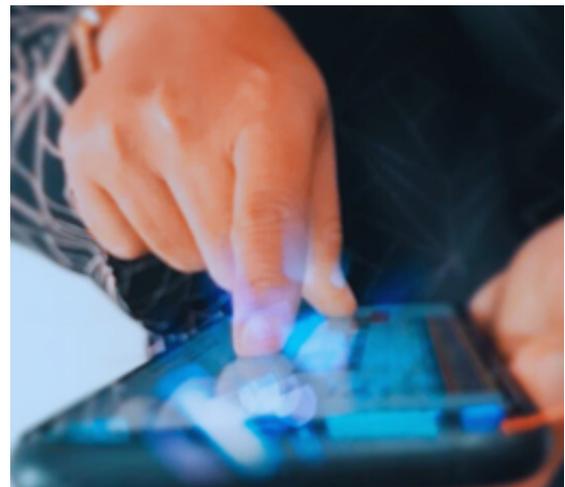
Cost Effective

Digital signatures eliminate the need for physical verification, reducing the cost associated with paper-based certification processes.

How to Verify Products

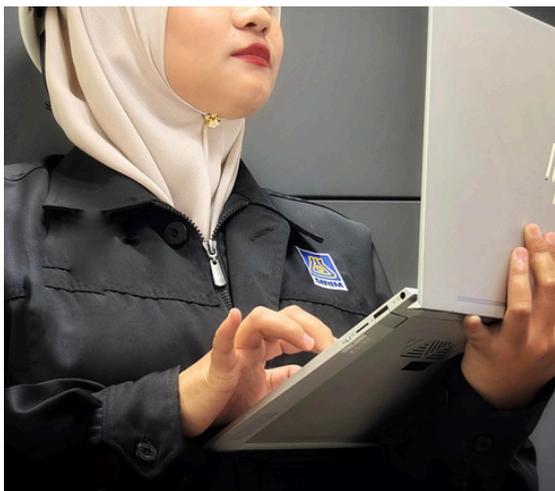
Verifying Products by QR Code

This section provides a comprehensive step-by-step guide, complete with images, on how to scan the QR code using a mobile device. It covers everything from locating the QR code on your product or product's certificate to using your device's camera or QR code app to initiate the scan. Each step is illustrated to ensure clarity, making it easy for you to verify your product's authenticity quickly and accurately.



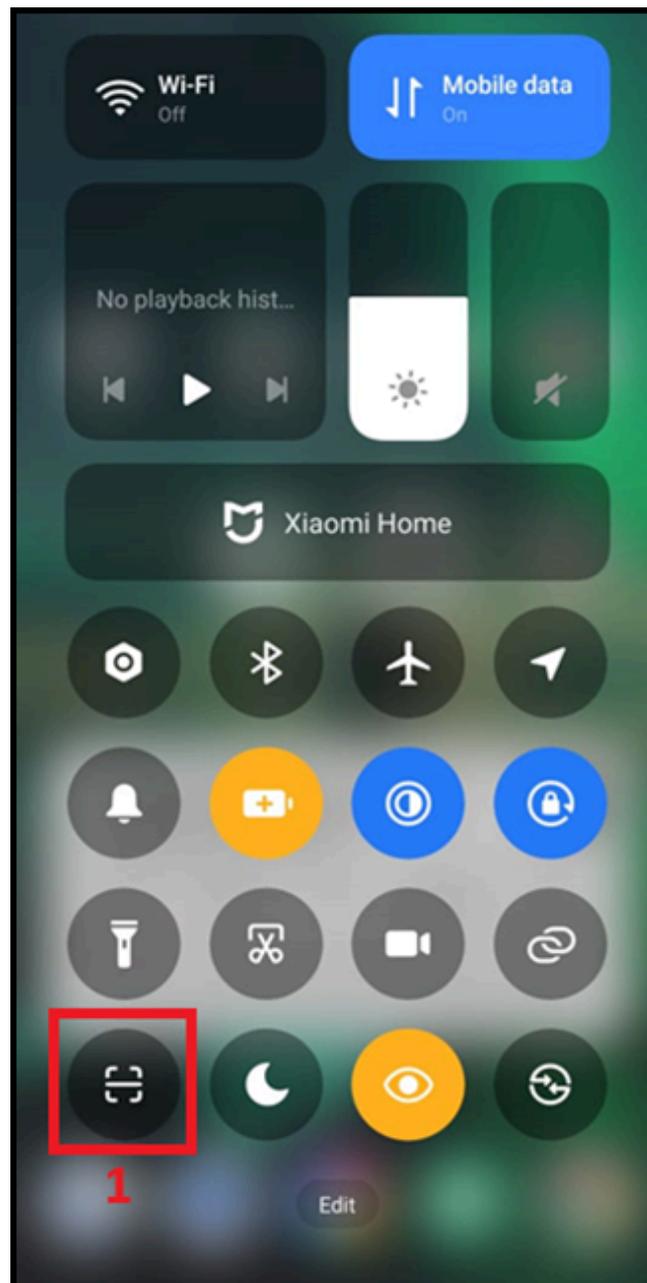
Verifying Products by Entering Serial Number

This section will guide you through the process of manually entering the product serial number on the website for verification. It includes a step-by-step walkthrough, with images for each step. You will be shown how to enter the serial number into the designated field on the website and initiate the verification process. Each step is carefully illustrated to ensure clarity, making the verification process straightforward and easy to follow.



STEP-BY-STEP GUIDE

Verifying Products by QR Code



1) Open any QR code scanner app or your device's camera.

2) Align the QR code so that it fits within the frame of the QR scanner.

3) Once the QR code is scanned, click the 'Open in Browser' button to view the product verification information.



4) You will see the search results, including product information and blockchain details. Scroll down to view additional related information.

HOME > PRODUCT VERIFICATION > SEARCH RESULT

Search Result




Serial Number BBB 0001

Certificate of Authenticity

This document certifies that the gold is authentic and hallmarked with SIRIM Gold Hallmarking Certificate. The product has been tested by National Metrology Institute of Malaysia's assaying laboratory and guaranteed to meet the standard of quality as stated in the certificate.

MERCHANT NAME	DATE OF ASSAY
Rayamas	01092024









RAYAMAS SDN. BHD. (111234-M)
 1, Blok A, Persiaran Perdana, Seksyen 1, 40100
 Shah Alam, Selangor, Malaysia
 +6035517 4561 | info@rayamas.com

BLOCKCHAIN DETAILS +

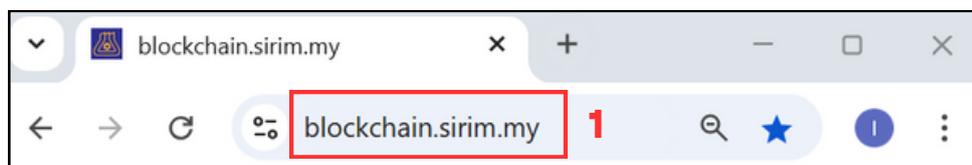
PRINT

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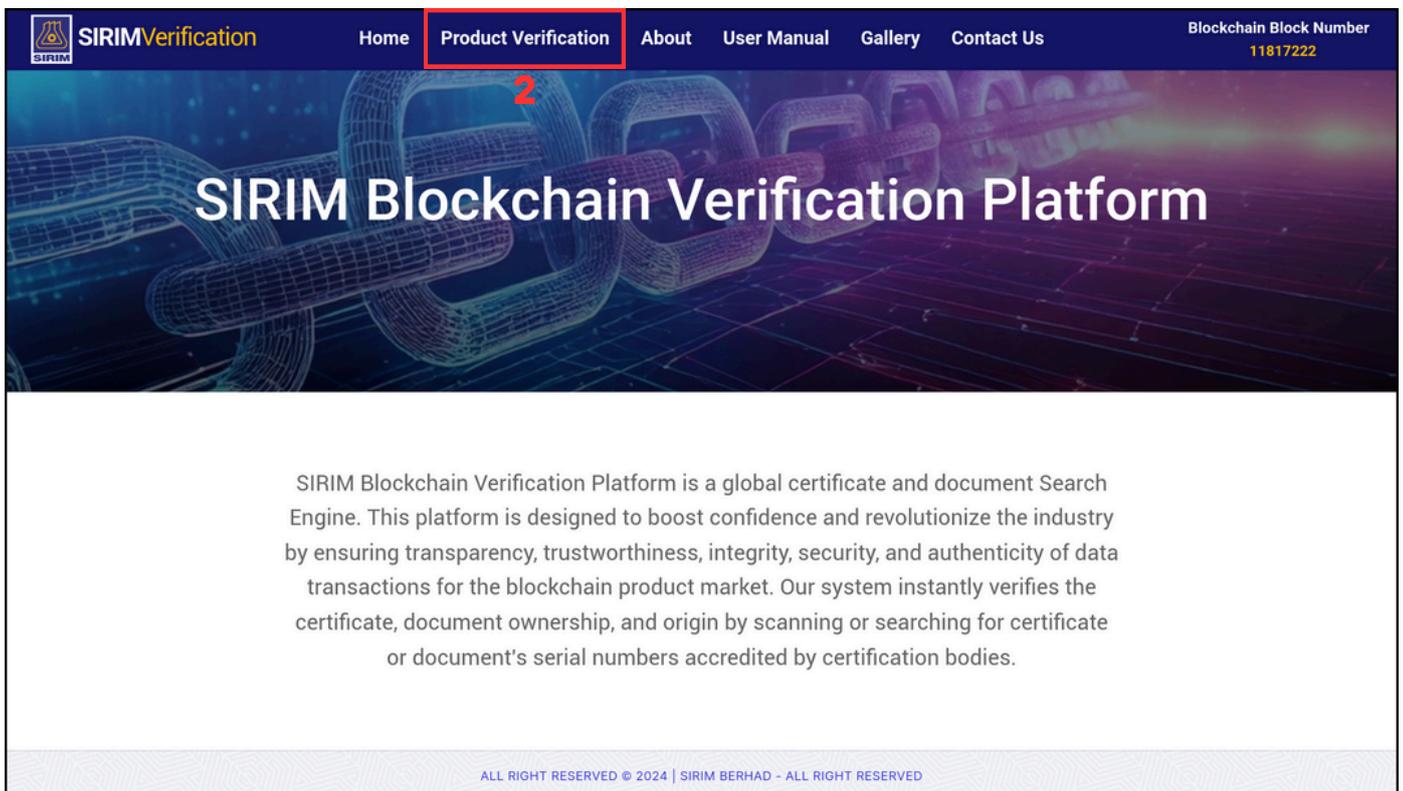
STEP-BY-STEP GUIDE

Verifying Products by Entering Serial Number

1) Open any browser and go to <https://blockchain.sirim.my/>

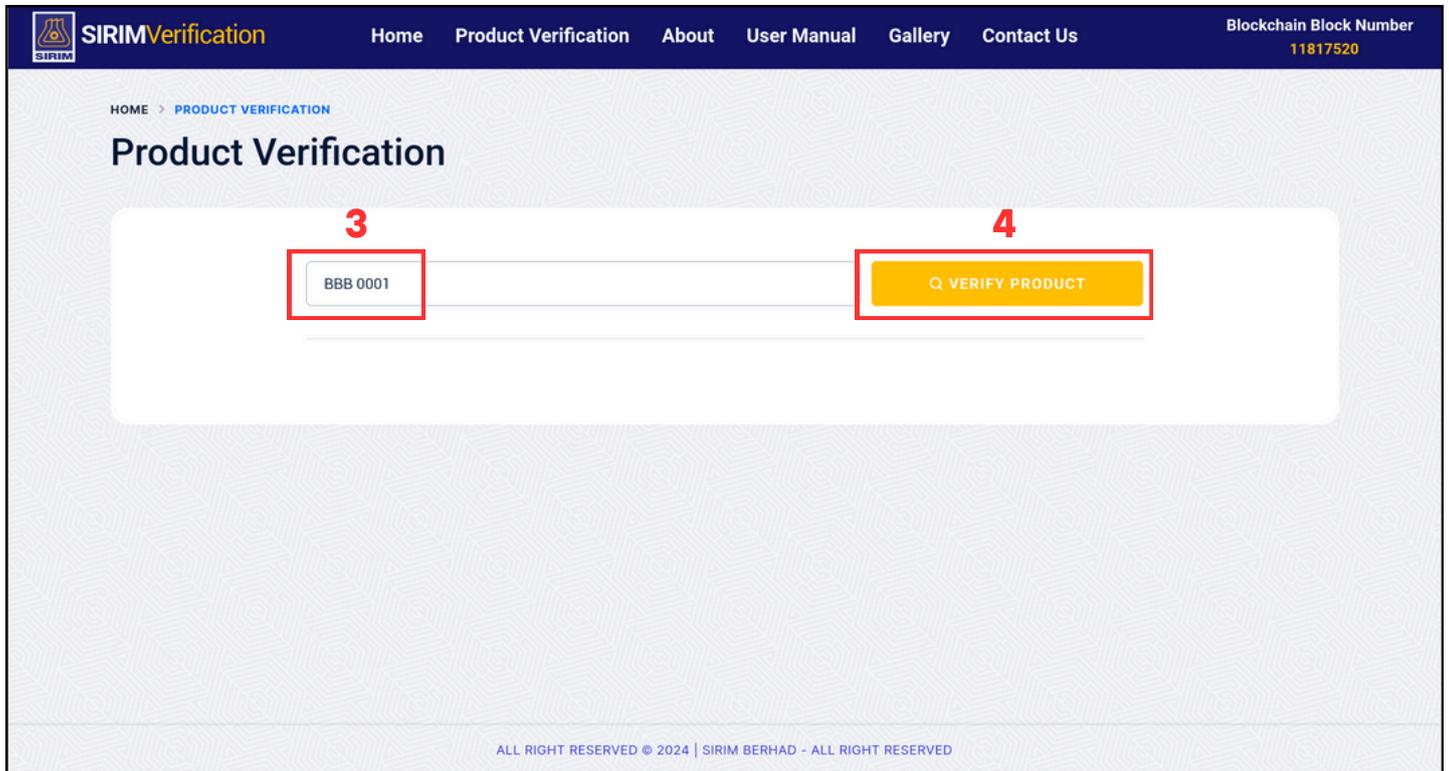


2)) Click the 'Product Verification' button to verify the product.



3) Click the 'Product Verification' button to verify the product.

4) Click the 'VERIFY PRODUCT' button.



5) You will see the search result, including product information, blockchain details, and other related information about the product.

6) Click '+' button to view the blockchain details for the product.

7) Click 'PRINT' button to print or download the certificate.



HOME > PRODUCT VERIFICATION > SEARCH RESULT

Search Result

5



Serial Number BBB 0001

Certificate of Authenticity

This document certifies that the gold is authentic and hallmarked with SIRIM Gold Hallmarking Certificate. The product has been tested by National Metrology Institute of Malaysia's assaying laboratory and guaranteed to meet the standard of quality as stated in the certificate.

MERCHANT NAME	DATE OF ASSAY
Rayamas	01092024
WEIGHT	SHAPE
10.00 (g)	wafer
PURITY	MINTED BY
999.9 (Au)	The Raya Gold



RAYAMAS SDN. BHD. (111234-M)
1, Blok A, Persiaran Perdana, Seksyen 1, 40100 Shah Alam, Selangor, Malaysia
+6035517 4561 | info@rayamas.com

BLOCKCHAIN DETAILS

+

6

PRINT

7

STEP-BY-STEP GUIDE

Serial Number Same with Multiple Companies

- 1)) Enter a valid serial number in the textbox. For example, 'CCC 0001'.
- 2) Click the 'VERIFY PRODUCT' button.

The screenshot displays the SIRIM Verification website interface. At the top, there is a dark blue navigation bar with the SIRIM logo and 'SIRIMVerification' text on the left, and menu items 'Home', 'Product Verification', 'About', 'User Manual', 'Gallery', and 'Contact Us' in the center. On the right side of the navigation bar, it shows 'Blockchain Block Number 11817963'. Below the navigation bar, the page title is 'Product Verification' with a breadcrumb 'HOME > PRODUCT VERIFICATION'. The main content area features a white rounded rectangle containing a text input field with the value 'CCC 0001' and a yellow button labeled 'Q. VERIFY PRODUCT'. Red boxes and numbers '1' and '2' are overlaid on the input field and the button respectively, indicating the steps described in the text above. At the bottom of the page, there is a footer with the text 'ALL RIGHT RESERVED © 2024 | SIRIM BERHAD - ALL RIGHT RESERVED'.

3) Click the correct company if the serial number matches with multiple companies.

4) Click the 'VERIFY PRODUCT' button to proceed with the verification.

SIRIM **SIRIMVerification** Home Product Verification About User Manual Gallery Contact Us Blockchain Block Number 11817855

HOME > PRODUCT VERIFICATION > SELECT COMPANY

Select Company for Serial Number: CCC 0001

Multiple companies have the same serial number. Please select the correct company:

MAKMUR GOLD **3**

PERMATA GOLD

VERIFY PRODUCT **4**

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5) You will see the search result, including product information, blockchain details, and other related information about the product.

SIRIM Verification

[Home](#)
[Product Verification](#)
[About](#)
[User Manual](#)
[Gallery](#)
[Contact Us](#)

Blockchain Block Number
11818195

HOME > PRODUCT VERIFICATION > SEARCH RESULT

Search Result

5

Certificate of Authenticity

<p>SERIAL NUMBER CCC 0001</p> <p>SIGNATURE AAAAAGBFXEGBAAAAMIABCKAA1AQLZA==</p>	<p>HASH VALUE F6BD725A5E8BA6C8354D6F86DD9DA9DD6C1E81BE631F84E007D8C 2CD702DB81166F8605E4386C250AEACE828857E35CB1C7D36E015 C3BAAC03C6F76C62999E06</p> <p>VERIFICATION DATE AND TIME FRIDAY, 14-02-2025 16:22:11</p>
<p>GOLD INFO MAKMUR GOLD</p> <p>DATE OF ASSAY 01092024</p> <p>WEIGHT 10.00 (g)</p> <p>MINTED BY Emas Maju</p>	<p>MERCHANT NAME Makmur Gold</p> <p>TYPE OF GOLD wafer</p> <p>PURITY 999.9 (Au)</p>
<p>CONTRACT ADDRESS 0xF59Bc9E5890c40139C8940bAEd6B30972dC461Ed</p> <p>OWNER ADDRESS 0x7e9621f58c185e37261dfe0d0edf14c5c9f80f4e</p> <p>BLOCKCHAIN NETWORK ID 528557</p> <p>BLOCKCHAIN STATUS ONLINE</p>	<p>CONTRACT NAME SIRIM Blockchain Verification System</p> <p>REGISTRAR ADDRESS 0xe171aced09aa288a80e5968932ab6a02511c237e</p> <p>TRUSTED AGENT ADDRESS 0x2304cc52e69cc0cbaa296ec85b8e94c73e5c3842</p> <p>SYSTEM DEVELOPER SIRIM IR & iExploTech</p>

Digital Signature Algorithm Version 2.0 Certified by Information Security Certification Body (ISCB)

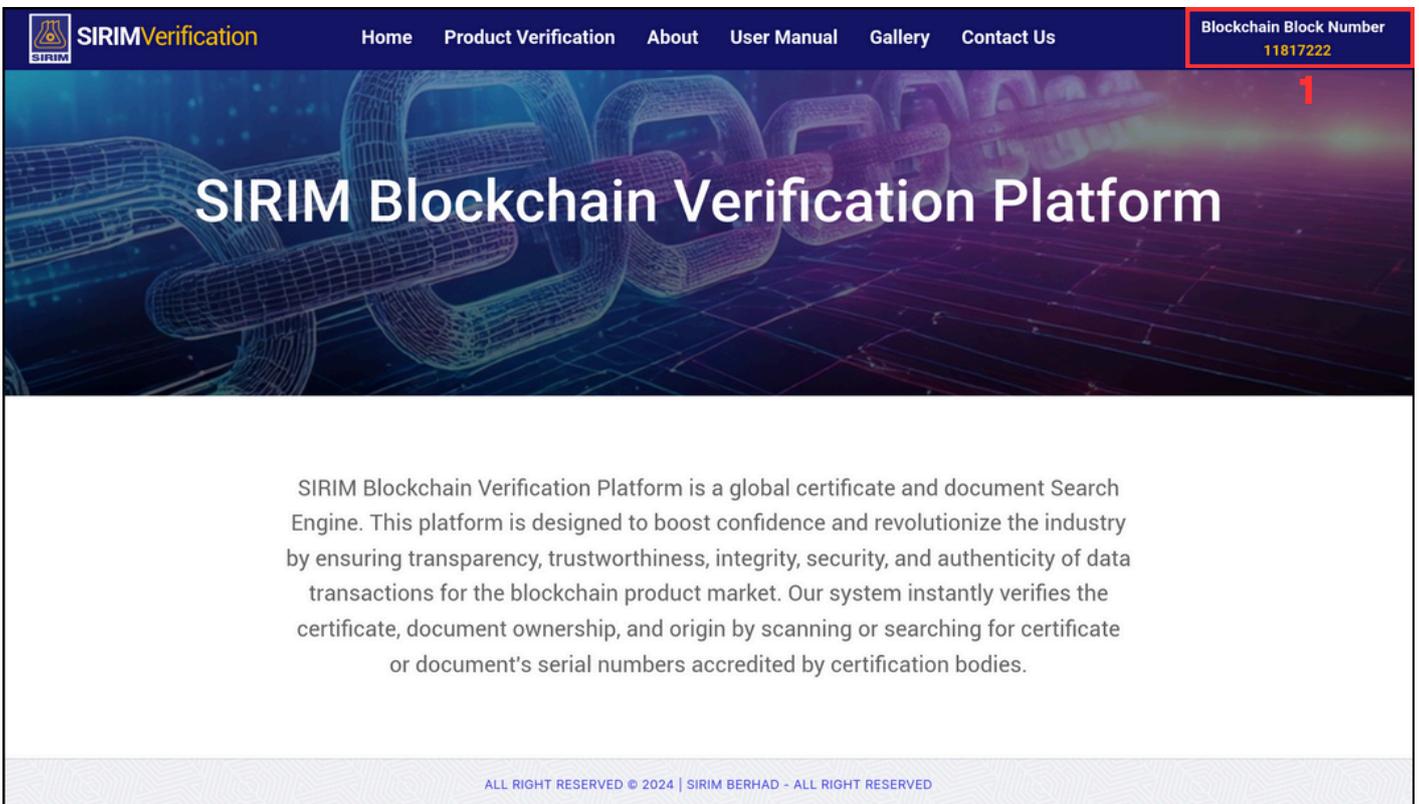
No IP/No Filing Submission
 P12023008027 | TS2023-090009 CRLY2023W03702 | TS2024-030001

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STEP-BY-STEP GUIDE

View Blockchain Block Number

1) View the current blockchain block number.

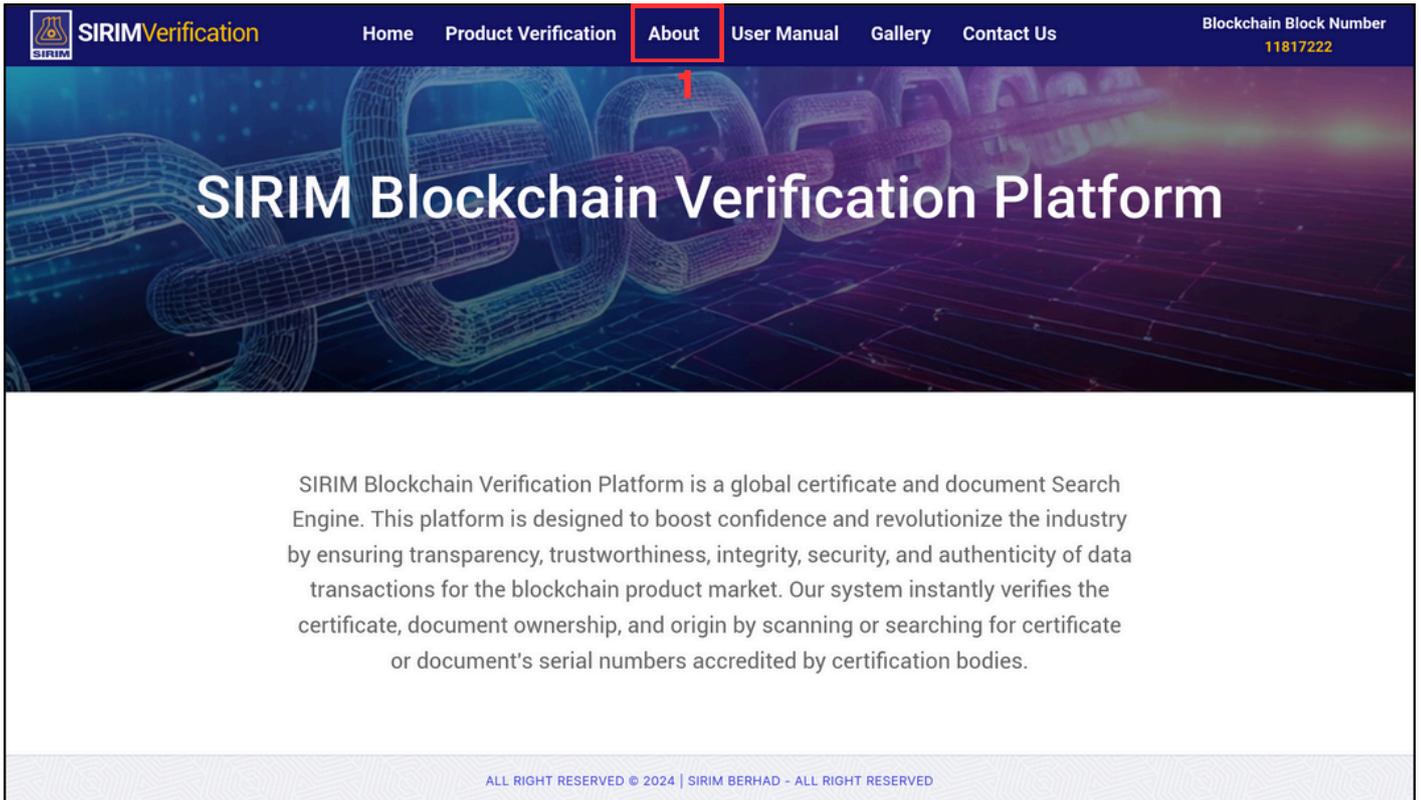


The screenshot displays the SIRIM Blockchain Verification Platform interface. At the top left is the SIRIM logo and the text 'SIRIMVerification'. The navigation menu includes 'Home', 'Product Verification', 'About', 'User Manual', 'Gallery', and 'Contact Us'. In the top right corner, a red-bordered box displays 'Blockchain Block Number' with the value '11817222' below it, and a red number '1' is positioned to the right of this box. The main header features a blue and purple background with a 3D wireframe chain graphic and the text 'SIRIM Blockchain Verification Platform'. Below the header, a white box contains the following text: 'SIRIM Blockchain Verification Platform is a global certificate and document Search Engine. This platform is designed to boost confidence and revolutionize the industry by ensuring transparency, trustworthiness, integrity, security, and authenticity of data transactions for the blockchain product market. Our system instantly verifies the certificate, document ownership, and origin by scanning or searching for certificate or document's serial numbers accredited by certification bodies.' At the bottom of the page, a footer reads 'ALL RIGHT RESERVED © 2024 | SIRIM BERHAD - ALL RIGHT RESERVED'.

STEP-BY-STEP GUIDE

View About

1) Click the 'About' button to view the information.



2) View the information of us.

The screenshot shows the 'About Us' page of the SIRIM Verification website. The page features a dark blue header with the SIRIM Verification logo and navigation links: Home, Product Verification, About, User Manual, Gallery, and Contact Us. A Blockchain Block Number of 11818260 is displayed in the top right corner. The main content area is titled 'About Us' and includes a large red number '2'. The central text is enclosed in a red-bordered box and is titled 'Your Partner for Innovation'. It describes SIRIM as an agency under the Ministry of Investment, Trade and Industry (MITI) that promotes Public Private Partnerships (PPP). It also mentions SIRIM Industrial Research (SIRIM IR) and the Smart Manufacturing Centre (SMC), which was established in 2024. At the bottom of the content box, there are logos for SIRIM, SainDigital @SIRIM, INNOVATION BY SIRIM, and ISCB (Information Security Certification Body). The footer of the page contains the text 'ALL RIGHT RESERVED © 2024 | SIRIM BERHAD - ALL RIGHT RESERVED'.

HOME > ABOUT US

About Us

2

Your Partner for Innovation

SIRIM is an agency under the Ministry of Investment, Trade and Industry (MITI) that lauds Public Private Partnerships (PPP) towards complementing a holistic approach in future strategies with the aims to benefit the environment, society and the economy.

SIRIM Industrial Research (SIRIM IR), is the frontline for technology innovations in various industries. SIRIM believes that through technological advancement, industries will see an increase in sustainability and in turn boosts the nation's economy.

Smart Manufacturing Centre (SMC) is a one of the SIRIM IR Research and Technology centre. It's established in 2024, the Smart Manufacturing Centre of SIRIM Industrial Research has been at the forefront of digital transformation in the manufacturing industry. Previously known as the Machine Technology Centre (2004) in Rasa and the Industrial Centre of Innovation in Smart Manufacturing(2006) in Bukit Jalil, our centre is dedicated to advancing traditional manufacturing processes and has successfully developed a flexible, technology-driven platform that enhances efficiency and productivity.

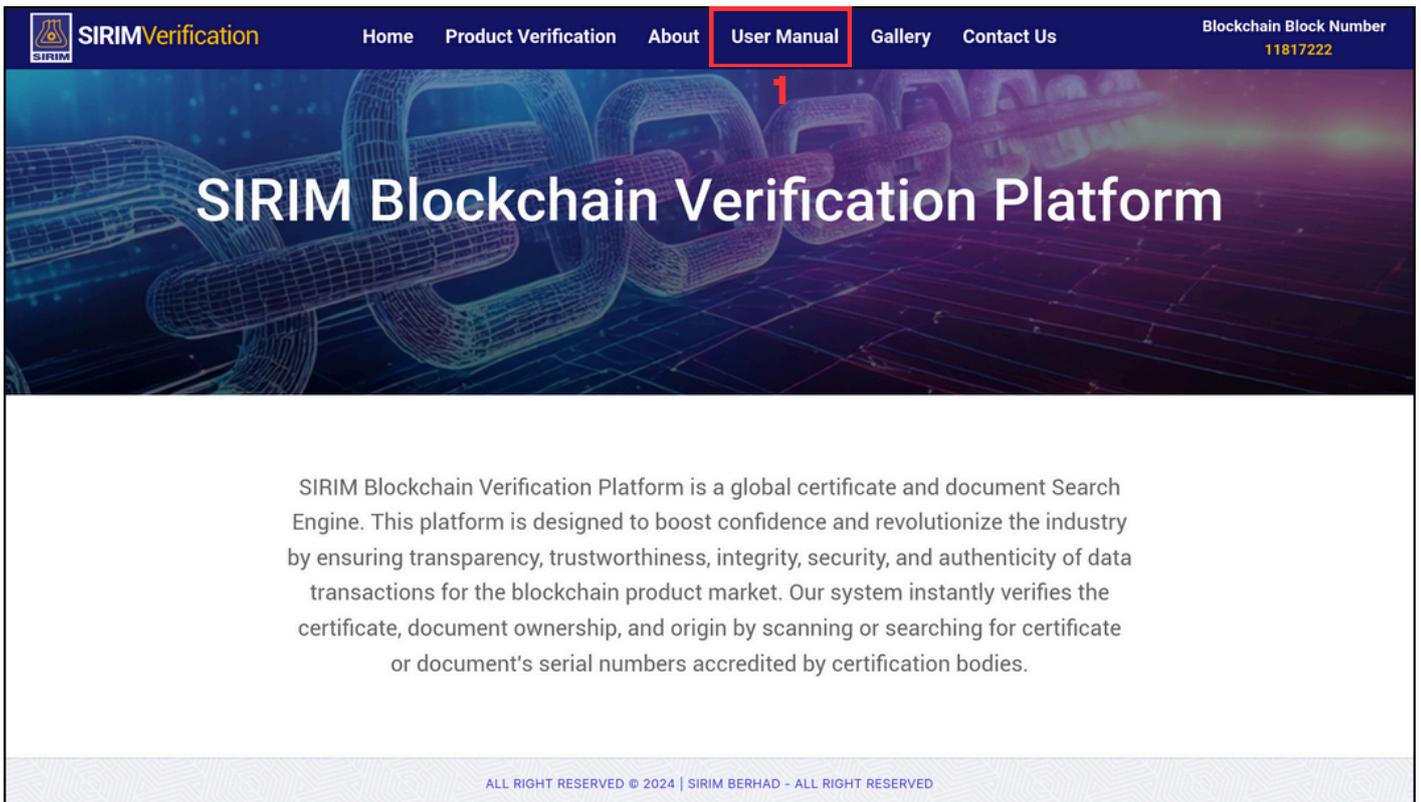


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STEP-BY-STEP GUIDE

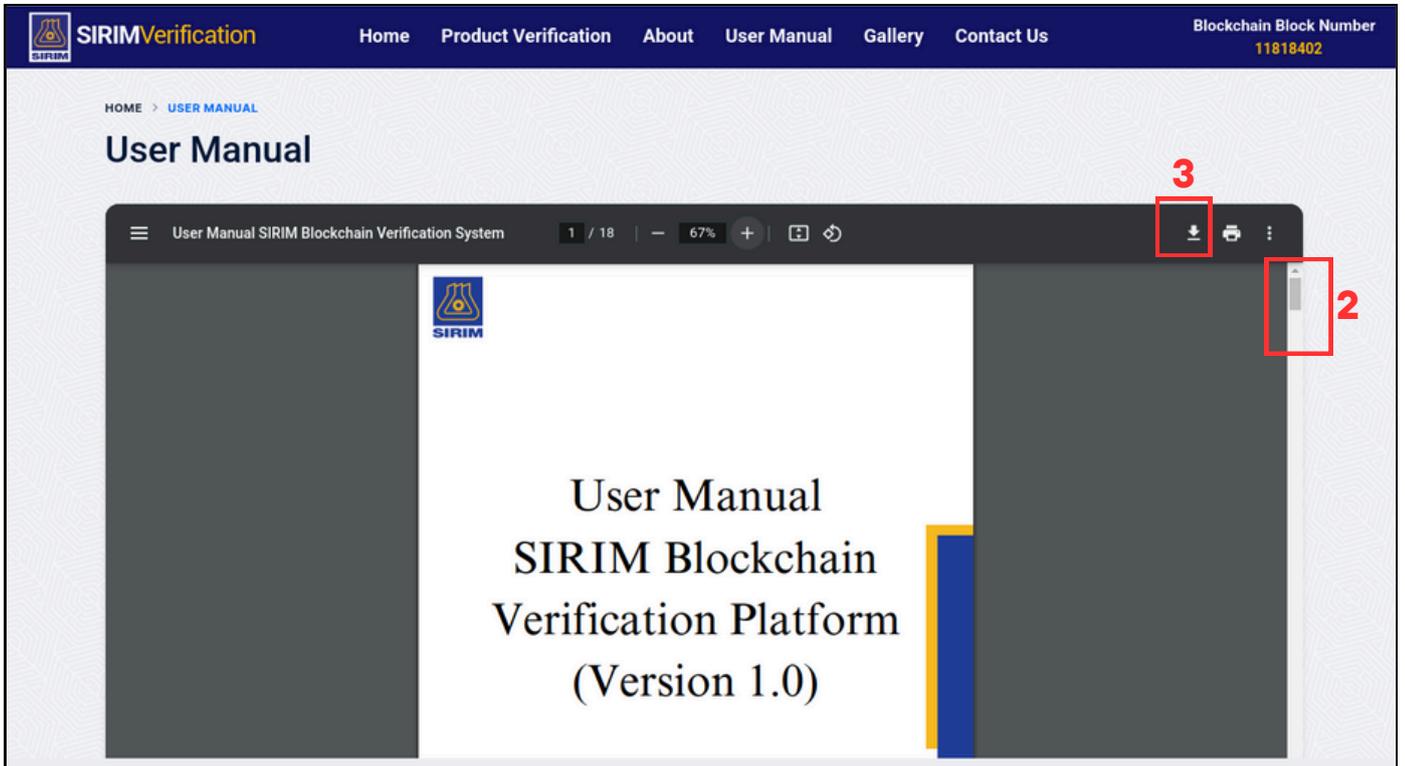
View User Manual

1) Click the 'User Manual' button to view the guidelines of the system.



2) Scroll down to view the user manual.

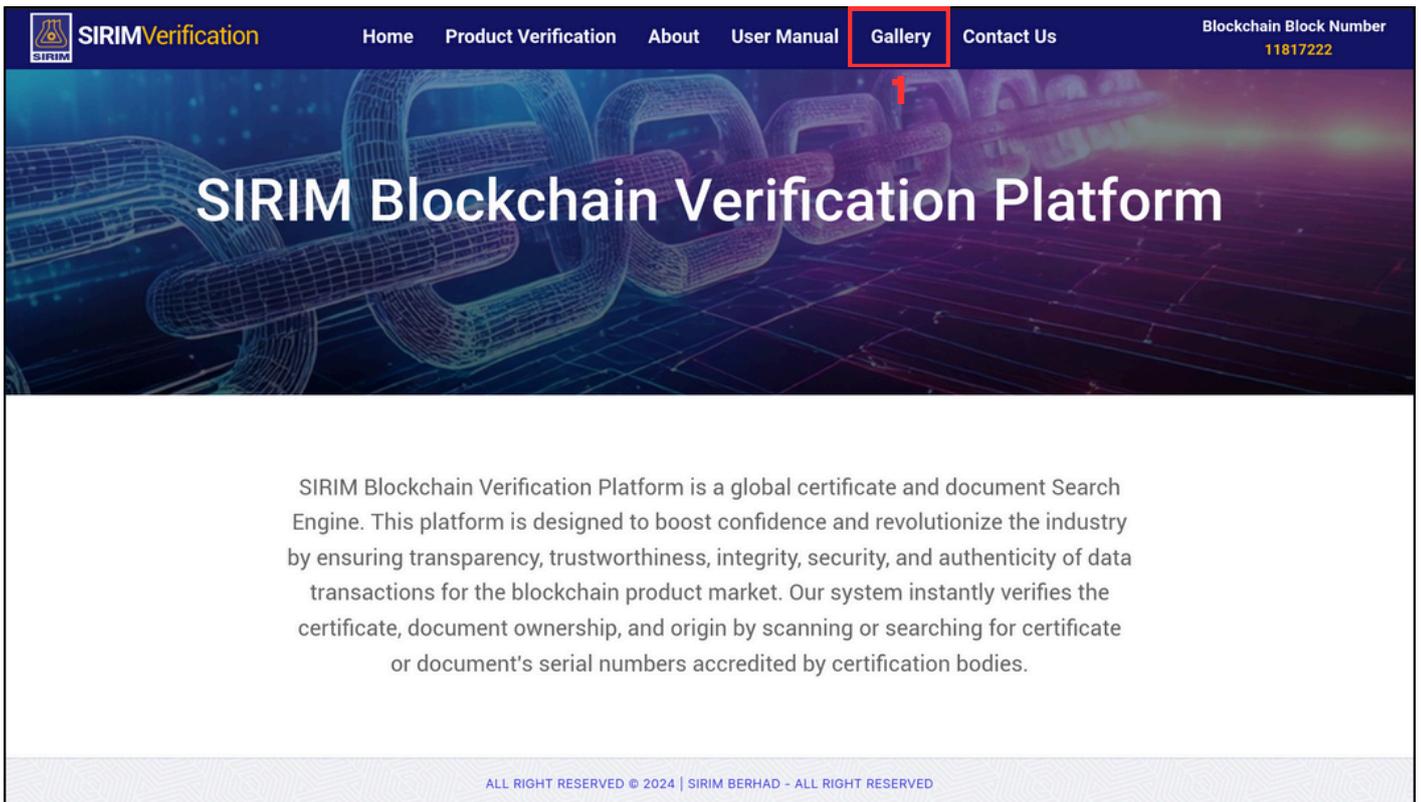
3) Click 'Download' button if you want to download the user manual into your device.



STEP-BY-STEP GUIDE

View Gallery

1) Click the 'Gallery' button to view the images and video of the system.



2) Click the previous or next button to see the images. The images also will automatic slide if not click that button.

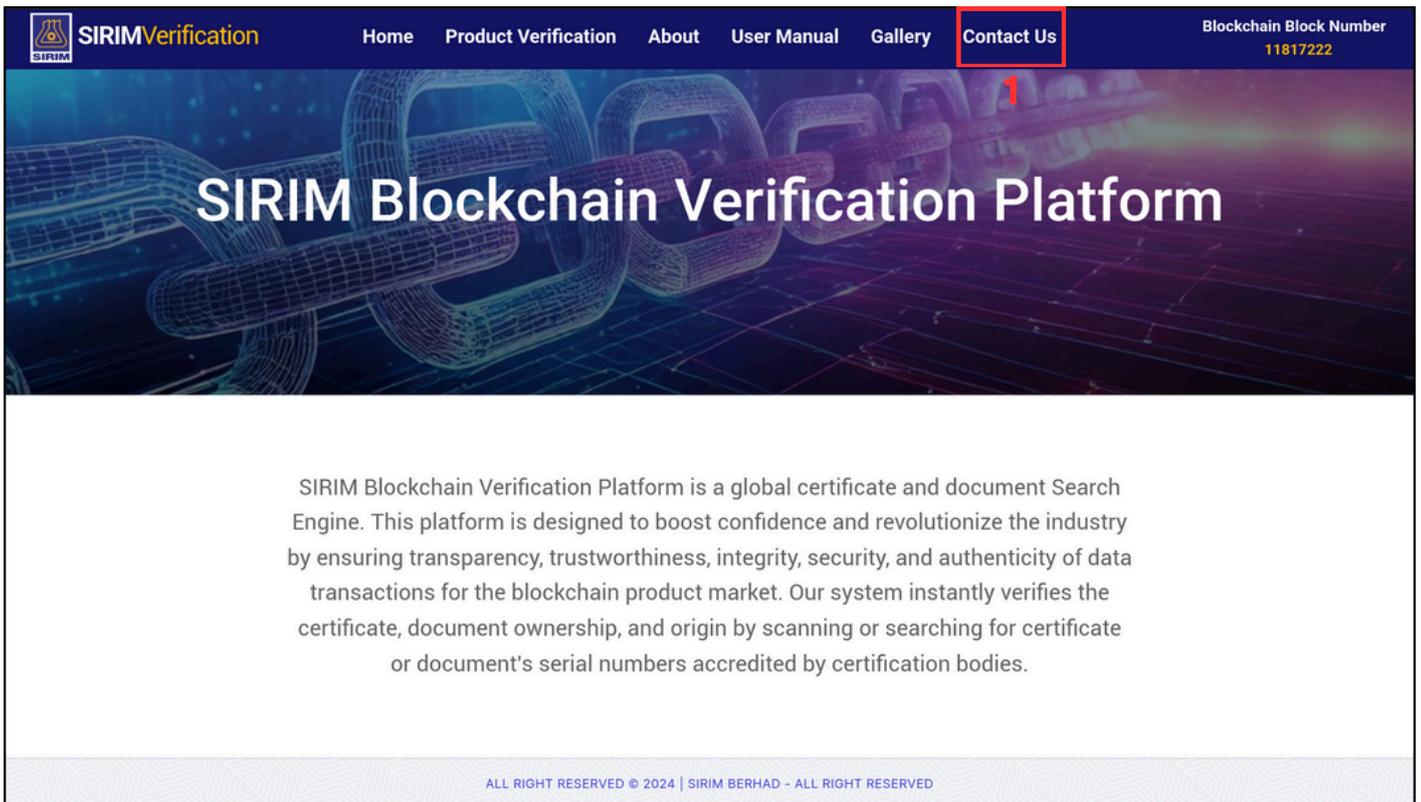
3) Click the start button to watch the video.

The screenshot displays the SIRIM Verification website interface. At the top, the navigation menu includes 'Home', 'Product Verification', 'About', 'User Manual', 'Gallery', and 'Contact Us'. The 'Blockchain Block Number' is listed as 11818531. The main content area features a gallery of images and a video player. The first image shows a group of people holding red award plaques, with a red box and the number '2' highlighting the left and right navigation arrows. The second image is a futuristic cityscape with blue lighting and digital overlays, with a red box and the number '3' highlighting the play button in the video player. The video player also shows a progress bar at 0.03 / 2.19 and the text 'where information can be accessed easily by anyone and everyone.' The footer contains the text 'ALL RIGHT RESERVED © 2024 | SIRIM BERHAD - ALL RIGHT RESERVED'.

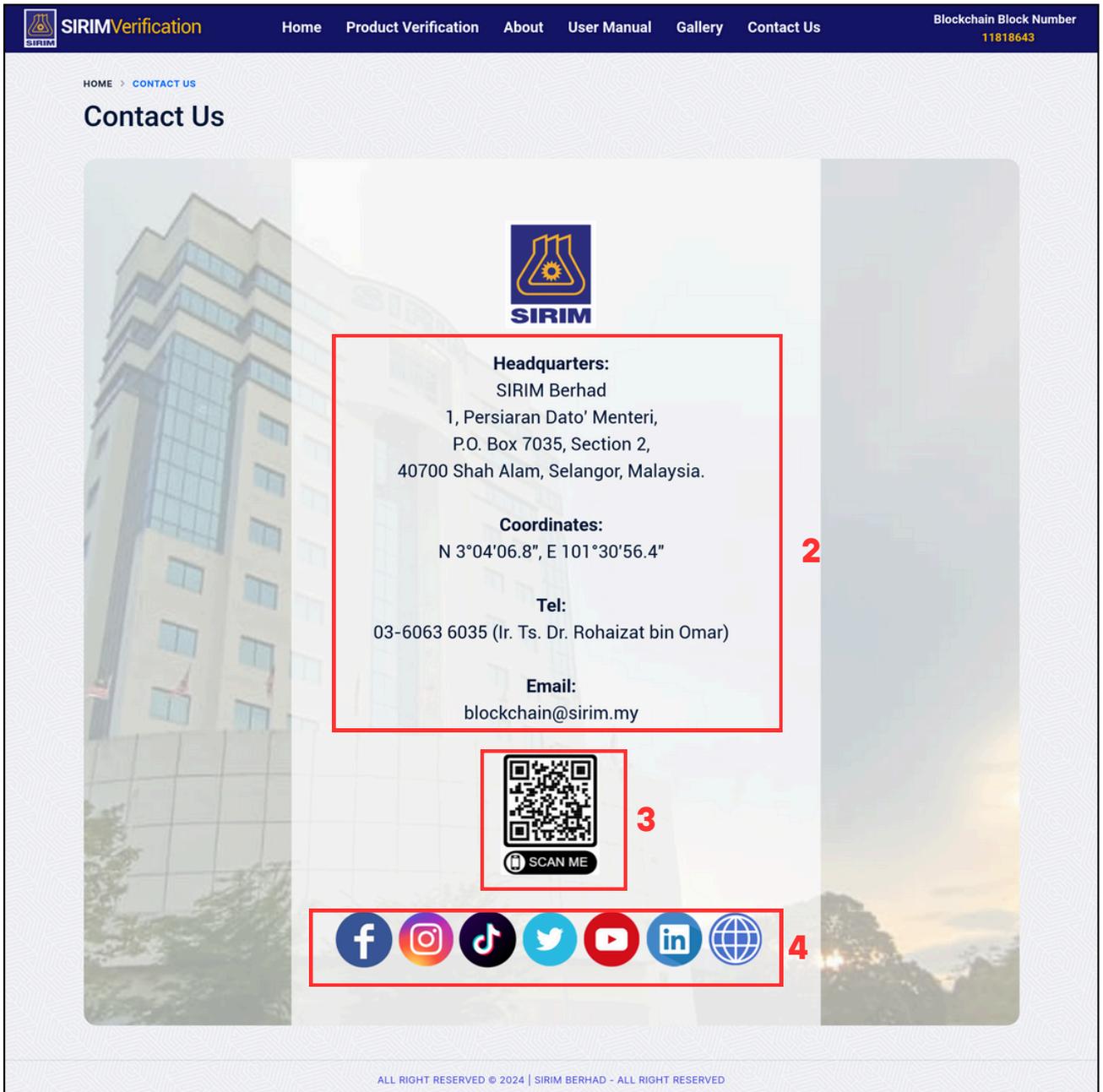
STEP-BY-STEP GUIDE

View Contact Us

1) Click the 'Contact Us' button to view the contact details.



- 2) View the contact details.
- 3) Scan the QR code to save the contact information.
- 4) Click any logos if want to view the SIRIM's social medias.



Thank You



Empower industry by
ensuring data
transparency, security,
confidentiality, integrity,
and authenticity