

Software Engineering Documentation for GlassRock Website

1. Project Overview

- 1.1 Project Title:

GlassRock Website Redesign and Enhancement

- 1.2 Project Description:

- GlassRock, an insulation company, is undertaking a comprehensive redesign and enhancement of its website. The existing website is outdated, lacks modern aesthetics, and is non-responsive. Additionally, the contact mediums are limited, and there is no e-commerce or meeting scheduling functionality. This project aims to address these deficiencies and introduce new features to improve user experience

- 1.3 Objectives:

- Update the website's design to reflect modern aesthetics.
- Implement a fully responsive design for optimal viewing on all devices.
- Enhance contact options with multiple communication channels.
- Integrate a Schedule meeting feature

- 1.4 Stakeholders:

- Client: GlassRock
- Project Manager: Abdelrahman Mohamed Mostafa
- End Users: Potential and existing customers of GlassRock, internal sales and support teams.

2. Requirements

- 2.1 Functional Requirements:

- 2.1.1 Responsive Design:

- The website must be fully responsive across various devices (desktop, tablet, mobile).
- Ensure compatibility with all major web browsers.

- 2.1.2 Meeting Scheduling:

- Allow users to schedule meetings directly from the website.
- Integration with Calendly for real-time scheduling and management.

- 2.2 Non-Functional Requirements:

- 2.2.1 Usability:

- The website should have an intuitive and user-friendly interface.
- All features should be accessible within three clicks.

- 2.2.4 Scalability:

- The website architecture should support future growth and feature additions.

- 2.2.5 Maintainability:

- Code should be well-documented and follow coding standards for ease of maintenance.

3. System Architecture

- **3.1 Frontend Architecture:**

- Technologies: HTML5, CSS3, JavaScript, React.js, tailwindcss and flowbite
- Description: The frontend will be built using React.js to provide a dynamic and responsive user interface.

4. System Design

- **4.1 User Interface Design:**

- **4.1.1 Wireframes:**

- Provide company with wireframes for each major page

- **4.1.2 Style Guide:**

- Document the design language, including colors, fonts, and UI components.

- **4.1.3 Responsive Design:**

- Detail the breakpoints and responsive behavior for different devices.

- **4.2 Component Design:**

- **4.4.1 Frontend Components:**

- Detail the React components structure, including state management and props.

WebSite Images:

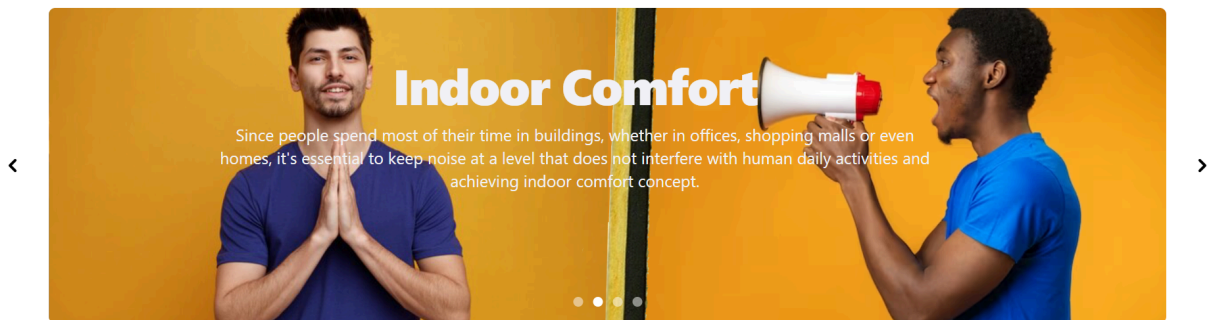
1. Loading page



2.Landing Page

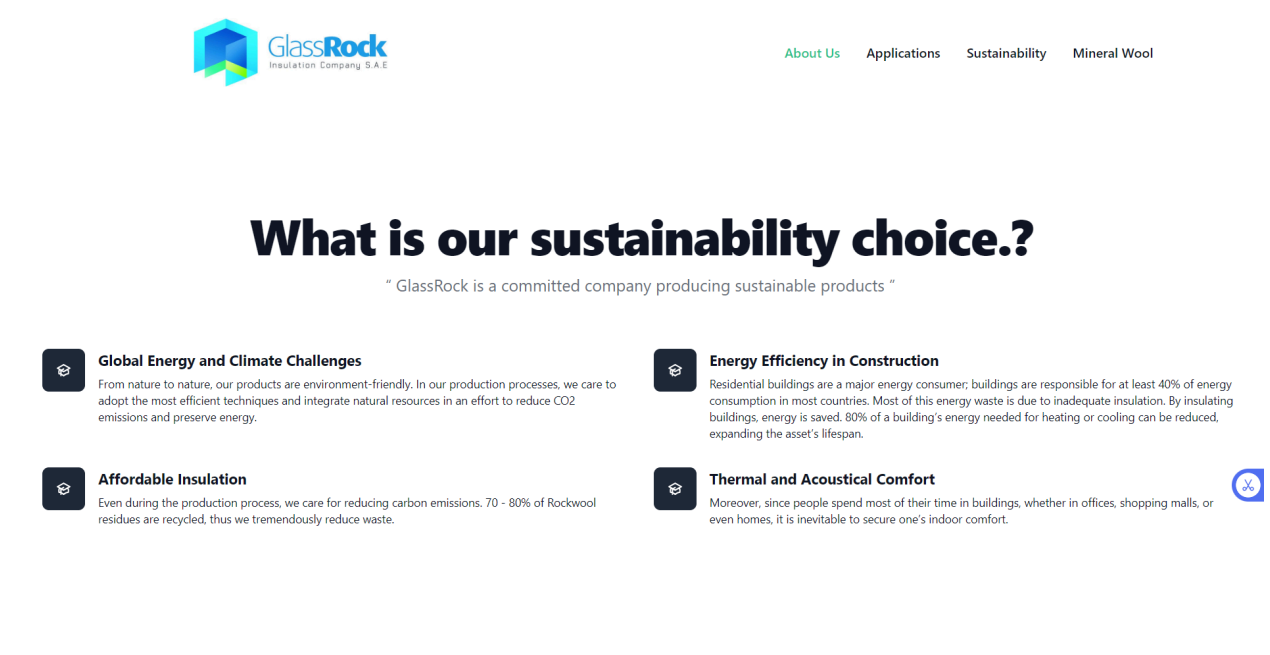


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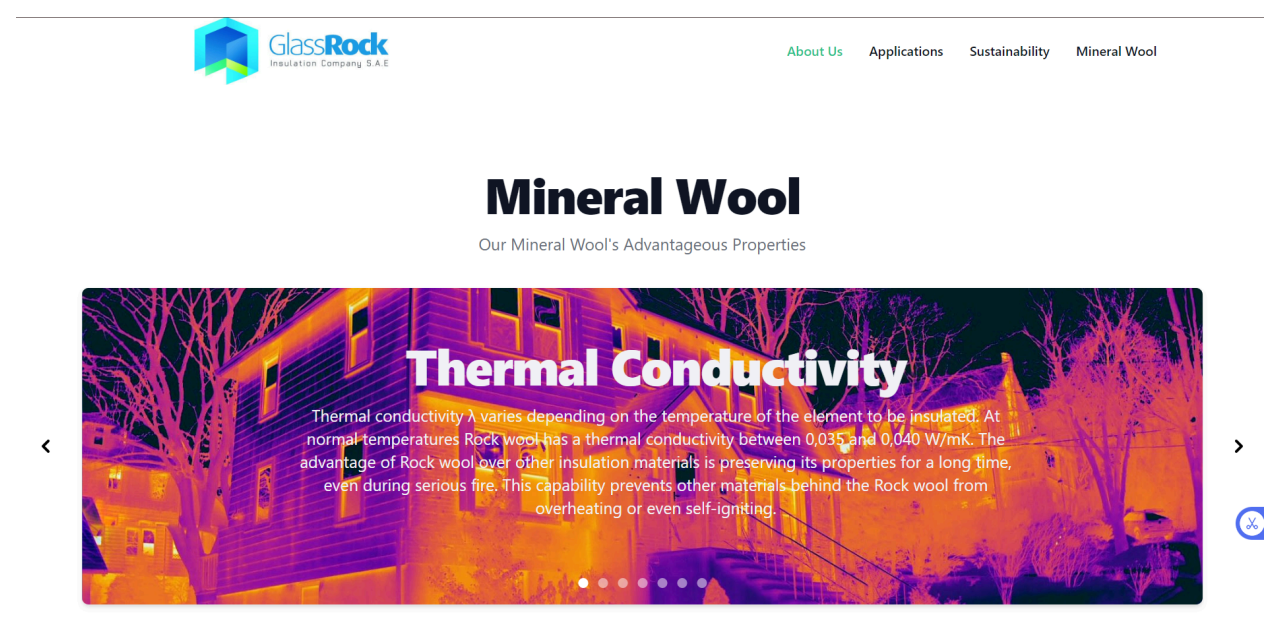


**specialized in manufacturing both Glass
wool and Rock wool**

3. Company Sustainability Page



4. Company Product Page (Glass wool and rock wool)



5. Product Applications page



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Our Applications

GlassRock works with different infrastructures providing them with the best solutions for every problem, check out how and in what our product is applicable



Building And Construction

Walling and Partitioning, Facade and external walls, Walls Penetrations and Irregular Shapes, Suspended Cielings, Roofing/ flooring, Domestic Hot/Cold pipes and acoustic fillings

[Read more →](#)



Industry

Boilers, Ovens and Furnaces, Fire Hazard Zones, Cryogenic and Cold Boxes, Tanks, Walls and Roofs, Industrial Noise, Chimneys and Towers, Out Range Piping Systems, Steel Structures and Hangers

[Read more →](#)



HVAC

Dust insulation, HVAC Acoustic

[Read more →](#)



Marine

Bulkheads, Deck and Partitions, Marine HVAC, Engine Room Area

[Read more →](#)



OEM

Household Appliances, Fire rating doors, Prefabricated Houses and Caravans, Sandwiched Panels, Prefabricated Chimneys, Solar cells, Automotive Industry, AHU and Generators canopies

[Read more →](#)



Agriculture

Poultry Farms

[Read more →](#)



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6. About us page



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who we are...

Member of Qalaa CAPITAL, inaugurated in Egypt since 2008 and located in Sadat city Area 7057&7059, at equal distance from Cairo and Alexandria.

The company is specialized in manufacturing both Glass wool and Rock wool which are widely used in different insulation applications, and with great emphasis, directed towards the STM Technology applied on different production. The Company's total annual production capacity amounts is 30,000MT of Rock wool and 20,000MT of Glass wool.

Glass wool and Rock wool products, manufactured with high-quality materials, are being used in various industrial sectors among which, construction, marine and automotive industries as well as in the agricultural sector where they are utilized as fertilizers and pests'/insects' killers.

[Our Products →](#)

[Contact Us](#)



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"We aspire to be recognized as the world first class provider of insulation solutions, By adding value to our regional as well as worldwide customers and shareholders, and with the continuous support of our committed and innovative working team, we aim to become the company that clients are eager to work with, employees are proud to work for, shareholders are satisfied to invest in and above all, stakeholders are appreciating its social role."

Vision

"Our mission is to develop and market thermal and acoustical insulation solutions. By attaining our customers' quality satisfaction, we shall not only protect our environment but also save energy. While doing so, we offer our employees a platform where they can learn, innovate and achieve sustainable profitable growth. We shall always ensure to comply with the highest, most ethical, environment-friendly and safety standards."

Mission



13 years in the Egyptian market !

Here at Flowbite we focus on markets where technology, innovation, and capital can unlock long-term value and drive economic growth.

[Get started →](#)

[Learn more](#)



7. Meeting scheduling feature.

N.O.V.A

Welcome to my scheduling page. Please follow the instructions to add an event to my calendar.

30 Minute Meeting

[Cookie settings](#)

N.O.V.A

30 Minute Meeting

30 min

[Cookie settings](#)

Select a Date & Time

<August 2024>

SUN	MON	TUE	WED	THU	FRI	SAT
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

Time zone

Africa/Cairo (3:56am)▼

N.O.V.A

30 Minute Meeting

30 min

Cookie settings

Select a Date & Time

<

August 2024

>

Thursday, August 22

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Time zone

Africa/Cairo (3:56am) ▾

4:00pm

4:30pm

5:00pm

5:30pm

6:00pm

6:30pm

7:00pm

powered by

Calendly

N.O.V.A

30 Minute Meeting

30 min

5:00pm - 5:30pm, Thursday, August 22, 2024

Africa/Cairo

Cookie settings

Enter Details

Name *

Email *

Add Guests

Please share anything that will help prepare for our meeting.

By proceeding, you confirm that you have read and agree to [Calendly's Terms of Use](#) and [Privacy Notice](#).


Schedule Event

powered by

Calendly

✓ You are scheduled

A calendar invitation has been sent to your email address.

Open Invitation 

30 Minute Meeting

 N.O.V.A

 5:00pm - 5:30pm, Thursday, August 22, 2024

 Africa/Cairo

[Cookie settings](#)