

CRETEC App

Presented by: Venom Team

01 Problem



RAW MATERIALS AND THEIR UNAVAILABILITY

The growing construction demand from new projects and city expansions has led to increased concrete production, resulting in raw material shortages and accessibility issues



CONCRETE QUALITY

Concrete production relies on trial-and-error, causing material and time waste, with issues affecting over 10% of cases, according to the American Concrete Institute

02 MARKET ANALYSIS



- Ready-mix concrete companies

200-300 COMPANIES



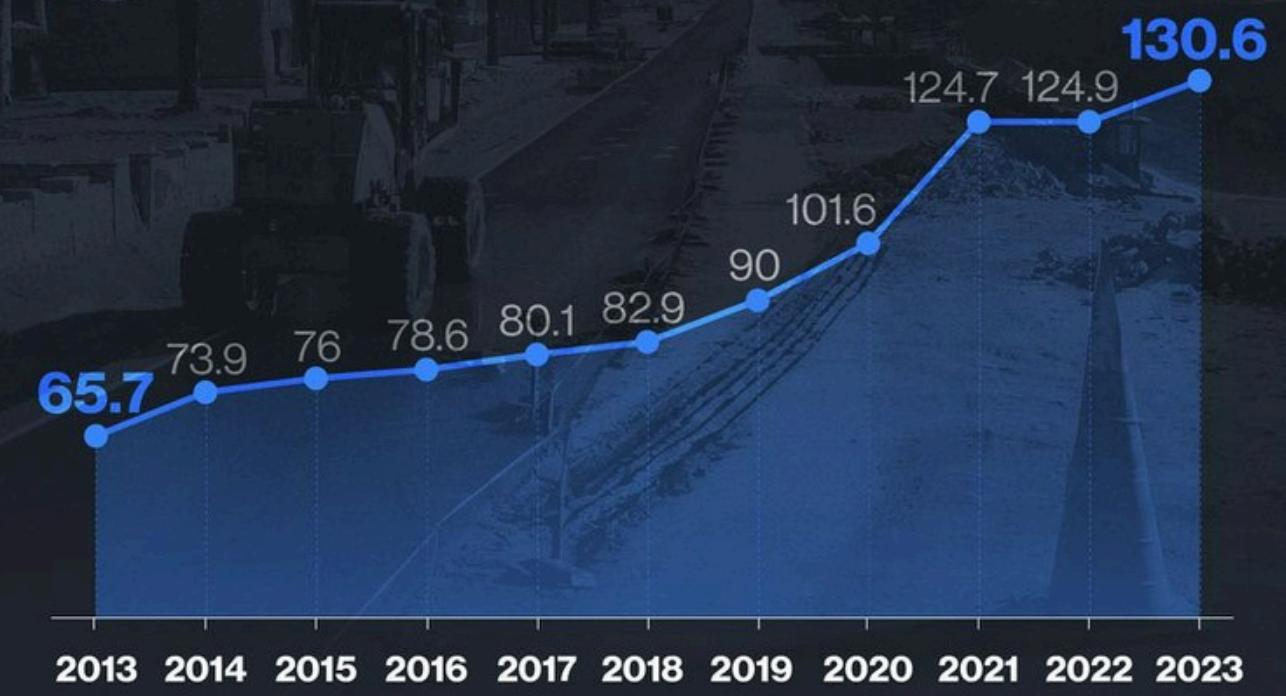
- annual market size estimated

10-15 BILLION EGP



زيادة في أطوال الطرق
المرصوفة بمصر خلال 10 أعوام

ألف كيلو متر



03 VALUES

01

An online marketplace now streamlines material procurement for concrete companies, meeting the rising demand for molds efficiently

02

Our app uses AI to accurately measure concrete compressive strength, saving time and costs on manual testing while providing instant, reliable results to boost efficiency



04 TARGET AUDIENCE

Concrete Company

Material Supplier



05

ADD VALUE

- AI-Driven Concrete Strength
- Time-Saving
- cost-saving
- Efficient Material Sourcing
- increase visibility of suppliers

COMPETITORS

	MOBILE	CRETEC	BENAA	BUILUP	MEPCO
AI FOR CONCRETE STRENGTH ANALYSIS	✓	✗	✗	✗	
REWARD SYSTEM	✓	✗	✗	✗	
MATERIAL SELECTION	✓	✓	✓	✓	
PRICE COMPARISON	✓	✓	✓	✓	
SUPPLIER VARIETY	✓	✓	✓	✓	
USER REVIEWS & FEEDBACK	✓	✗	✗	✓	

BUSINESS MODEL CANVAS



08

FUTURE WORK



AI-POWERED CONCRETE ANALYSIS DETECTION:

Using image classification models, users can upload images of concrete surfaces, and the model will detect MATERIAl



3: CHATBOT ASSISTANCE:

An AI chatbot to provide advice on construction and concrete manufacturing processes and help users navigate crack detection and e-commerce features

OUR TEAM



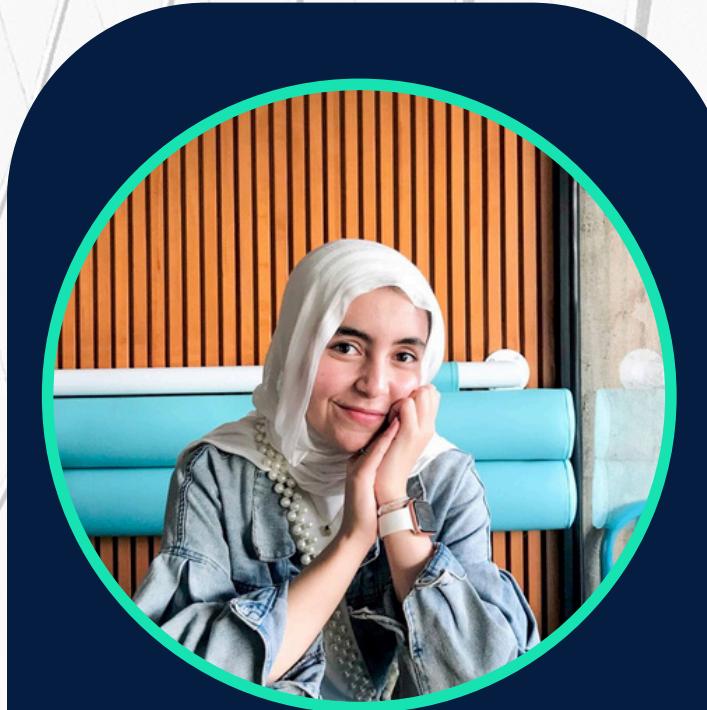
**IBRAHIM
MAGDY**
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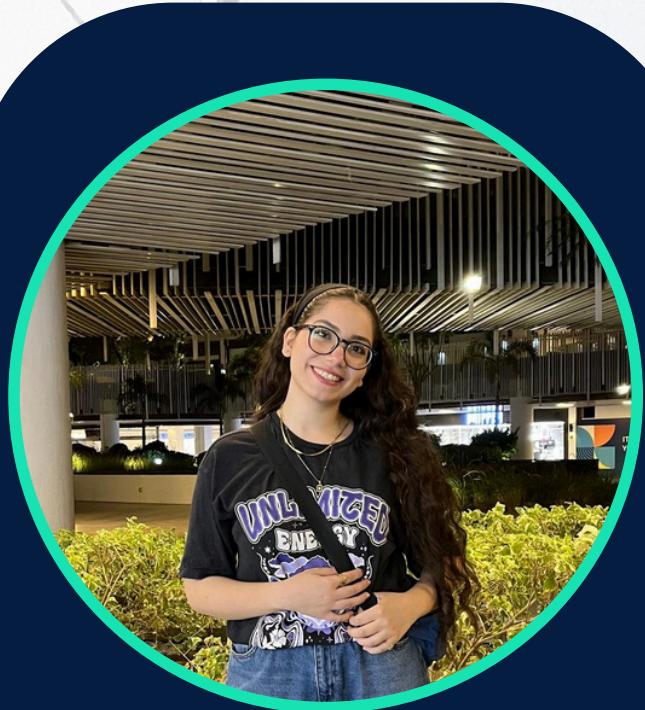
**MOSTAFA
NAFEA**
BACK-END



**MAHMOUD
OSAMA**
**Machine
Learning**



**ESRAA
MORSII**
ui-ux



**AYA
BASSAM**
BUSINES

THANK YOU

