



AI Saudi Standards

By:

Dr.Hamad Alawad & Dr.Abdullah Ibrahim

Who we are?



Hamad Al awad, PhD

BEng | MEng | PhD Artificial Intelligence | Railway system | Risk Management | HSE Engineering | Fire & Safety | Consultations | Research and innovation



UNIVERSITY OF
BIRMINGHAM



Abdullah I. Alharbi, PhD · 1st

Assistant Professor at King Abdulaziz University - NLP and real-life AI applications

The Saudi Codes and Standards

Public	Private sector
Manufacturers	Projects
Engineering sector	Health
Education	Import and export
Safety and Security	Oil and gas
Data and AI	Mobility

Massive of Standards, codes, technical regulations and specifications in many sectors

MOMRA Bridges, Tunnels, Culverts and Pedestrian Bridges Specifications in Urban Areas

Construction Specifications

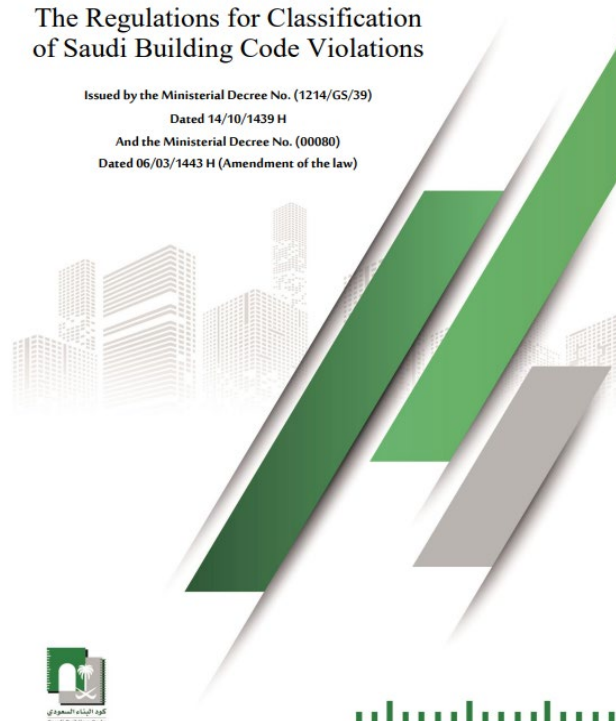
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2013

VISION رؤية 2030
Ambition to build a better future
التطلع إلى مستقبل أفضل
مملكة العربية السعودية

The Regulations for Classification of Saudi Building Code Violations

Issued by the Ministerial Decree No. (1214/GS/39)
Dated 14/10/1439 H
And the Ministerial Decree No. (00080)
Dated 06/03/1443 H (Amendment of the law)



مركز البناء السعودي
Saudi Building Code

٠١٠٠٢٠٠٥٠٢٣=١٨٨٠٠٠٠

الهيئة السعودية للمواصفات والمقاييس والجودة
SASO

اللائحة الفنية لسلامة الآلات - الجزء الرابع: آلات النشر والتقطيع

اعتمدت هذه اللاحة الفنية في اجتماع مجلس إدارة الهيئة رقم (١٨٨) المتعدد بتاريخ ١٤/٠٦/١٤٤٤هـ - ١٧/٠١/٢٠٢٣م

نُشرت في الجريدة الرسمية بتاريخ
(١٧/٠٢/١٤٤٤هـ - ٢٣/٠٢/٢٠٢٣م)

الإصدار الأول

٠٣-٠٣-١٦-١٥٦-٣

M.A-156-16-03-03



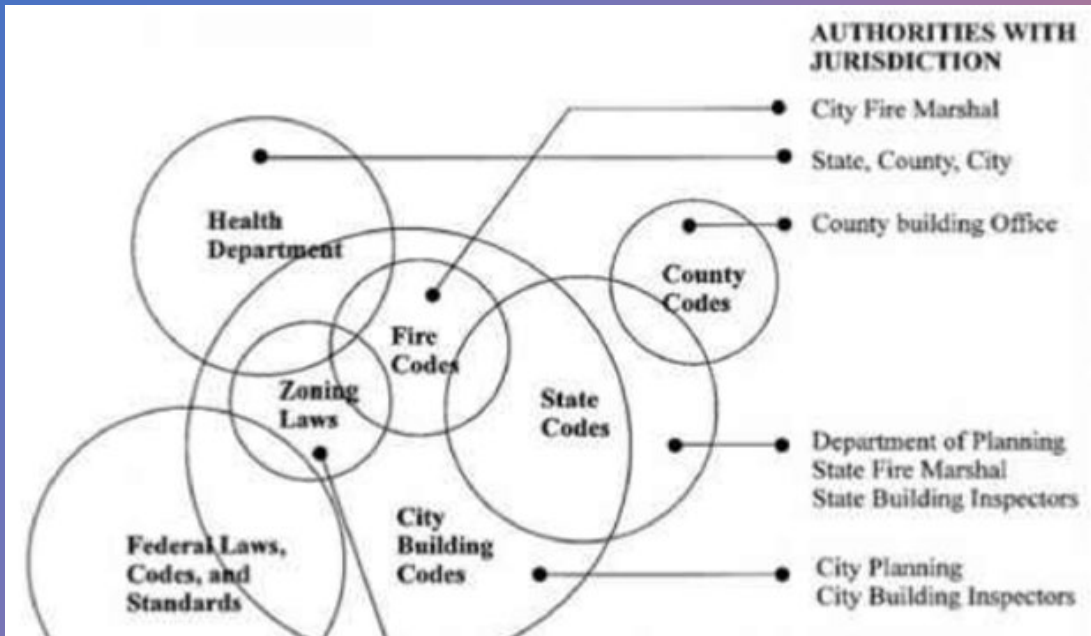
Saudi Standards, Metrology and Quality Organization
SASO

Technical Regulation for Degradable Plastic Products

Published in the Official
Gazette on 13/01/1438
A.H. (14/10/2016 A.D.)

Note:
Only the Arabic version of this Regulation is authentic in law and is
applicable where there are differences with this translation

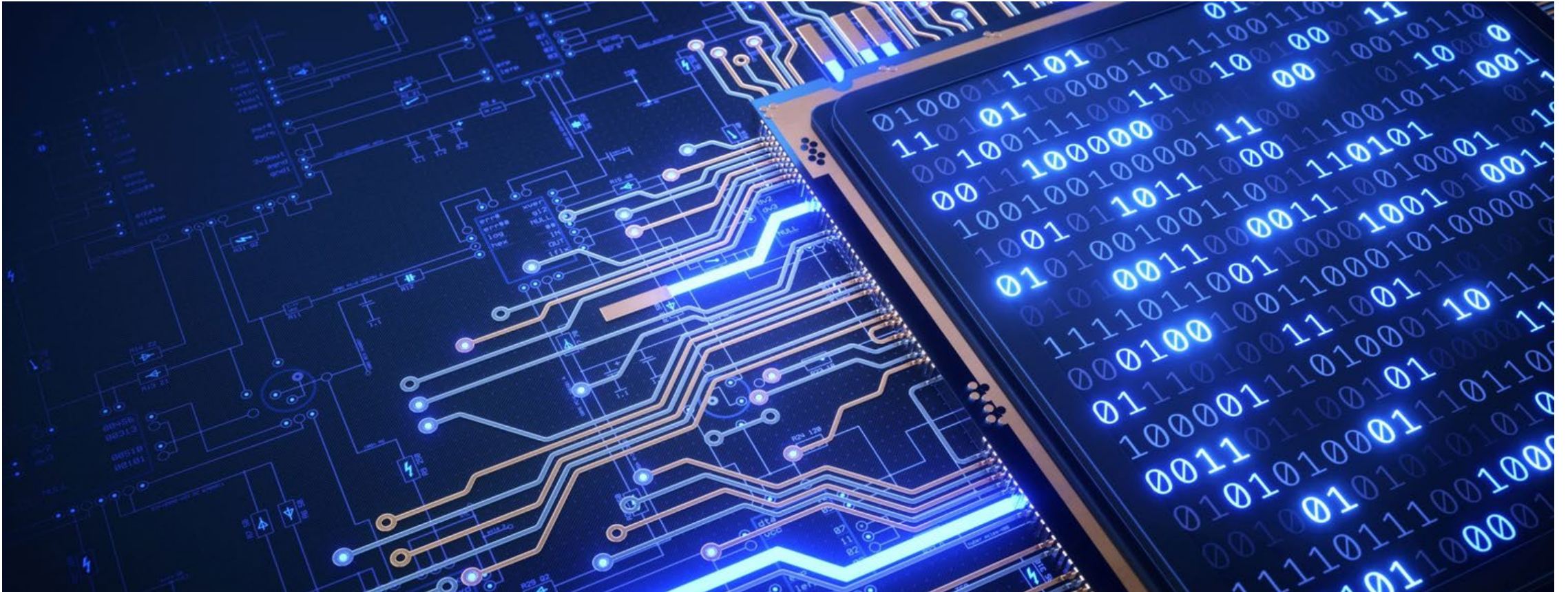
What are the Challenges

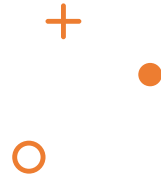


- Language and translations (Indecipherable)
- The volume of standards (more than Approximately 28,000 measurement specifications only from SASO (Saudi Standards, Metrology and Quality Organization))
- The overlapping between standards (which is which)
- Shortage of availability of qualified human resources (Standards can be confusing, and there is much information)
- The change and fast updated
- Accessibility
- Complexity in context
- Time and cost
- Risks of misunderstanding
- Economy losses if they do not comply with the proper standards
- No integrations (many agents and many standards)

So, how can you quickly pull out the pertinent standards you need and use them correctly?

Via Generative AI model for all standards, speciation and Saudi codes.





Objectives

Vision 2030	Quality of life	E-government
Sustainable development	Providing fruitful opportunities for all major companies, small and entrepreneurial	Competitiveness, the quality of services
Development and introduction provided to all via privatisation of government services	Developing relations with global partners and Supporting investment alien	Ensure safety, security, and reliability



هيئة الزكاة والضريبة والجمارك
Zakat, Tax and Customs Authority

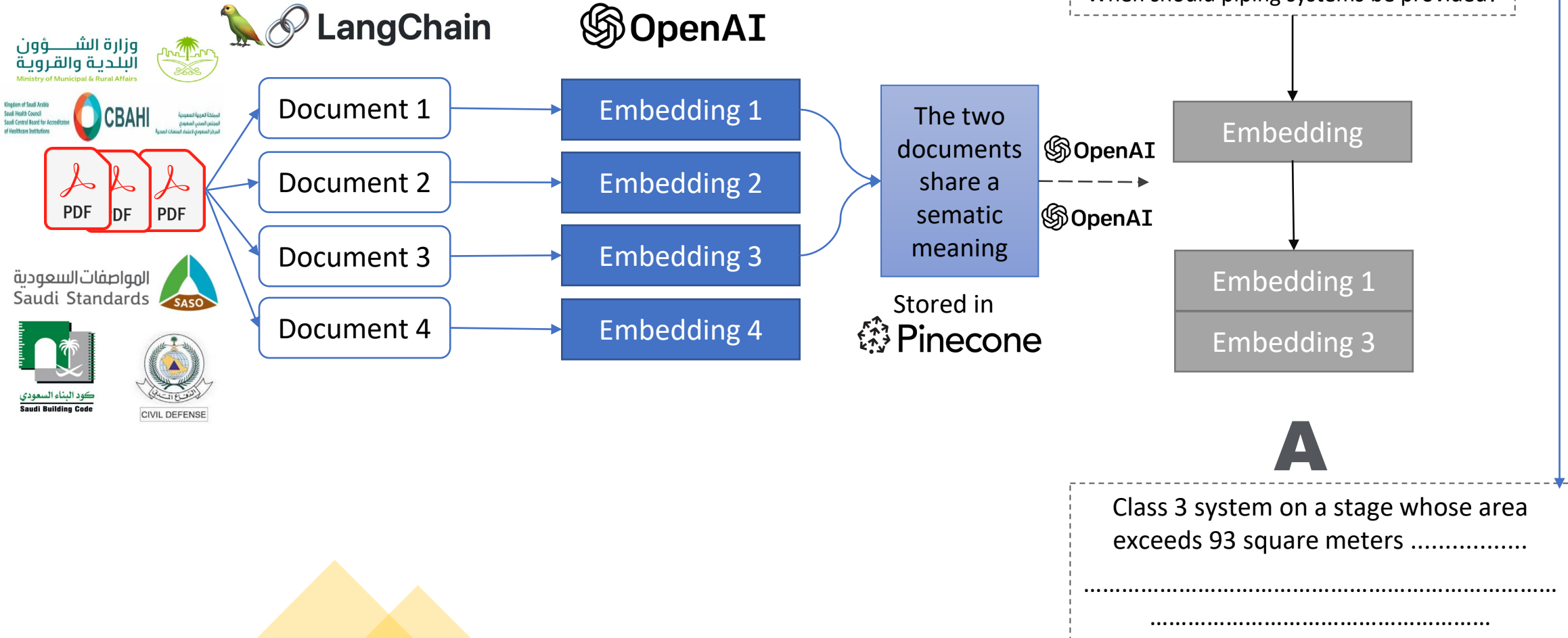


NDMO
مكتب إدارة البيانات الوطنية
National Data
Management Office



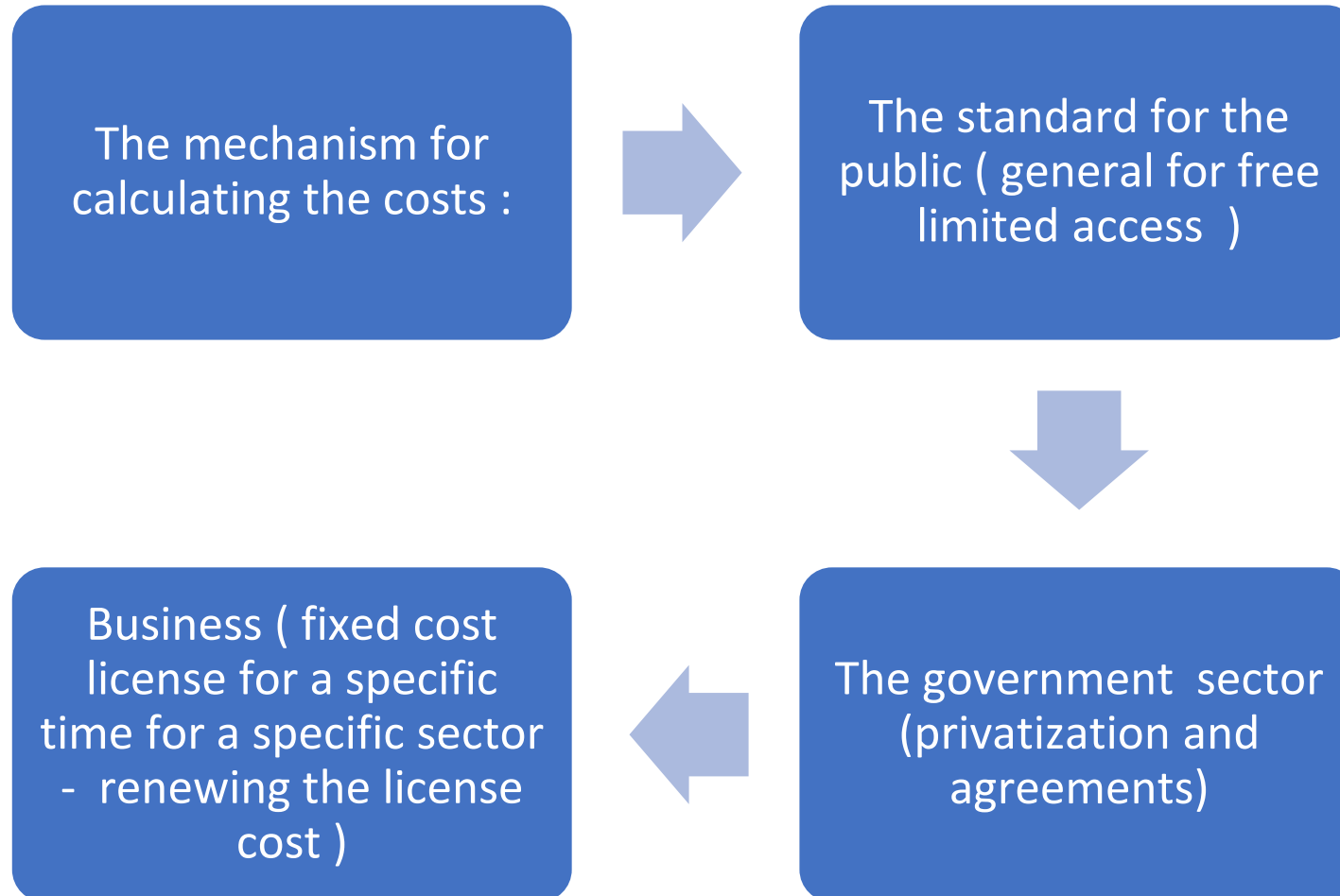
Entities

Framework



<h1>Business Model</h1>		Designed for: Generative Artificial Intelligence Hackathon	Designed by: Team-1	Date:		Version:
				20-05-2023		1
Key Partners	Key Activities	Value Propositions	Customer Relationships	Customer Segments		
<ul style="list-style-type: none"> Partners (Government entities) (Codes –Standards and specifications) The motivations: (E-Governance ,Vison 2030 Optimisation , economy, Reduction of risk and uncertainty, rise safety, quality, AI startups) 	<ul style="list-style-type: none"> Platform/Network App development Web platform Train AI Simple UI 	<ul style="list-style-type: none"> Smart government Enhances business, quality and safety Aid the economy, startups and investments Accessibility Integrations 	<ul style="list-style-type: none"> Tech support Robot chat 	Business, government agents, Investors, engineers, startups, Safety officers, manufacturers, Project managers, technicians, power and electricity designers, etc.....		
	Key Resources		<ul style="list-style-type: none"> Channels Web platform OS application 			
Cost Structure		Revenue Streams				
<ul style="list-style-type: none"> Web domin App store Storage fees Generative Model Time and effort 		<ul style="list-style-type: none"> Subscription Ads Freemium 				

Revenues



Clients



Companies, business and professional offices
(engineering –design –consultation – PMO- factories
– export and import companies and moor)



Public (Individuals)

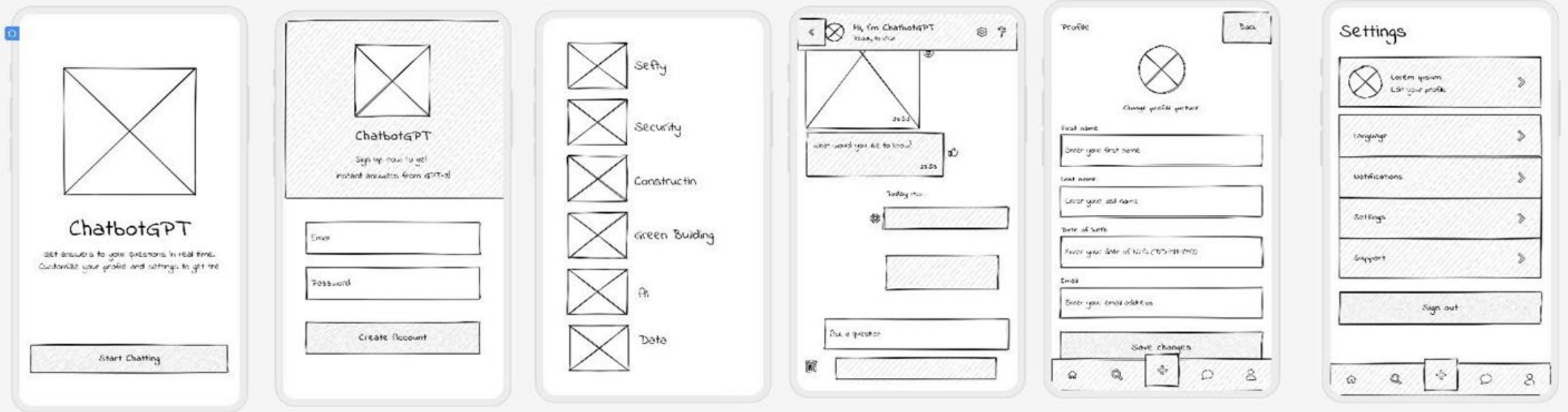


Governments



Designers (infrastructure –Health- manufacturing-
construction- safety and security)

AI predicted the app's design



Outcome

This AI model is Innovative, Useful, and powerful. Generative AI that solves a real problem and interacts with many sectors in the kingdom to comply with Vision 2030.

