



جامعة الملك عبد الله  
للعلوم والتقنية  
King Abdullah University of  
Science and Technology



تحدي CHALLENGE KAUST  
أفكار وطول للتحج والعمرة  
IDEAS & SOLUTIONS FOR HAJJ & UMRAH  
باستضافة صاحب السمو الملكي الأمير خالد الفيصل



## The Healthcare Challenge Award

Winner of 100,000 SAR

### THE SAFA DIGITAL PILGRIM HEALTH OVERSIGHT PLATFORM

Centralized digital pilgrim health oversight platform supported with affordable smartwatch featuring a health monitoring App



**IBRAHIM AL-TURKI**  
- Chairman, Safa - Business Solutions



**HOSAM AL-ASALI**  
- CEO, Safa - Business Solutions



**SULTAN AL-TURKI**  
- Operations Manager, Safa -  
Business Solutions



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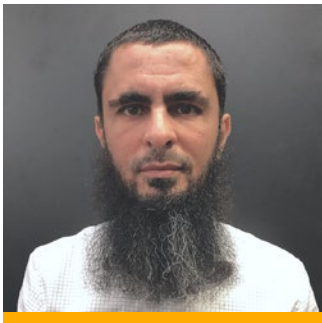


## The Mobility Challenge Award

Winner of 100,000 SAR

### PROMOTING PILGRIMS' MOBILITY EXPERIENCE THROUGH AI

Automated authorized checking of buses and vehicles to access the ritual regions



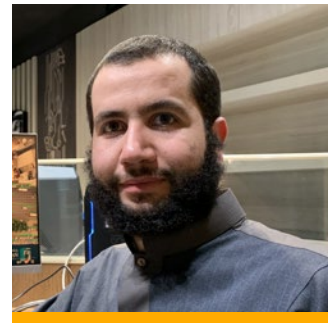
**PROF. ANIS KOUBAA**

- Director of the Research and Initiatives Center and the Director of the Robotics and Internet-of-Things Lab, Prince Sultan University



**DR. ADEL AMMAR**

- Associate Professor, College of Computer Science and Information Systems, Prince Sultan University  
- Researcher, RIOTU Lab, Prince Sultan University



**BILEL BENJDIRA**

- Member, RIOTU Lab, Prince Sultan University  
- Ph.D. candidate in Computer Science, University of Carthage, Tunis, Tunisia



**ANAS KANHOUC**

- Software engineer, RIOTU Lab, Prince Sultan University



**YASSER ALHABASHI**

- Software engineer, RIOTU Lab, Prince Sultan University



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## The Crowd Management Challenge Award Winner Of 100,000 SAR

### CROWD MANAGEMENT THROUGH SMART HAJJ PLATFORM

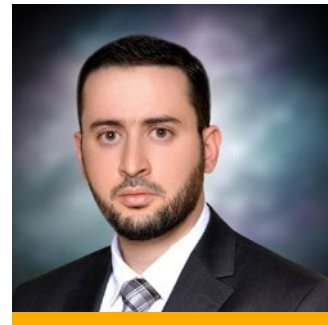
Integrated smart Hajj platform to provide state-of-the-art techniques for crowd monitoring & management, and decision-making



**DR. BASIM ZAFAR**  
- Founder and CEO, Experts Vision Consulting Company



**DR. YASIR SALIH**  
- Consultant, Crowd Management, Experts Vision Consulting Company



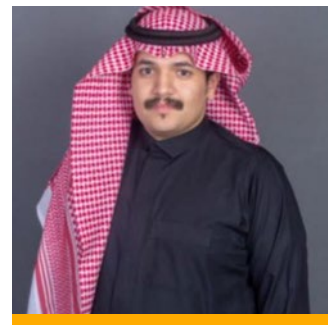
**DR. HASAN BAYANOUNI**  
- Chief Technology Officer, Experts Vision Consulting Company



**DR. MAJED ABDULLAH YAHYA**  
Senior Consultant, Public Services, Experts Vision Consulting Company



**TAREQ F. ALJABRI**  
- Lead Consultant, Software Engineering, Experts Vision Consulting Company



**ALI M ALMAGHRABY**  
- Occupational Safety and Health Officer and Clients Account Manager, Experts Vision Consulting Company



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## The Winners Of The KAUST Challenge – Ideas & Solutions For Hajj & Umrah KAUST Innovation Award For Hajj & Umrah Technologies

### SITUATIONAL AWARENESS & PREDICTIVE DECISION SUPPORT - CROWD MANAGEMENT

Centralized, focused and specialized platform that will manage and maintain all resources used for crowd monitoring during Hajj days



**PROF. EMAD FELEMBAN**

- Co-Founder, FirstCity.ai  
- Professor in the Computer Engineering  
Department, Umm Al-Qura University



**DR FAIZAN UR REHMAN**

- Co-Founder and Chief Technology Officer,  
FirstCity.ai



**PROF SALEH BASALAMAH**

- Professor in the Computer Engineering  
Department, Umm Al-Qura University



**DR MOHAMMED ABDUR RAHMAN**

- Director of the Research and Postgraduate  
Studies, Prince Muqrin University