

Build on our credentials

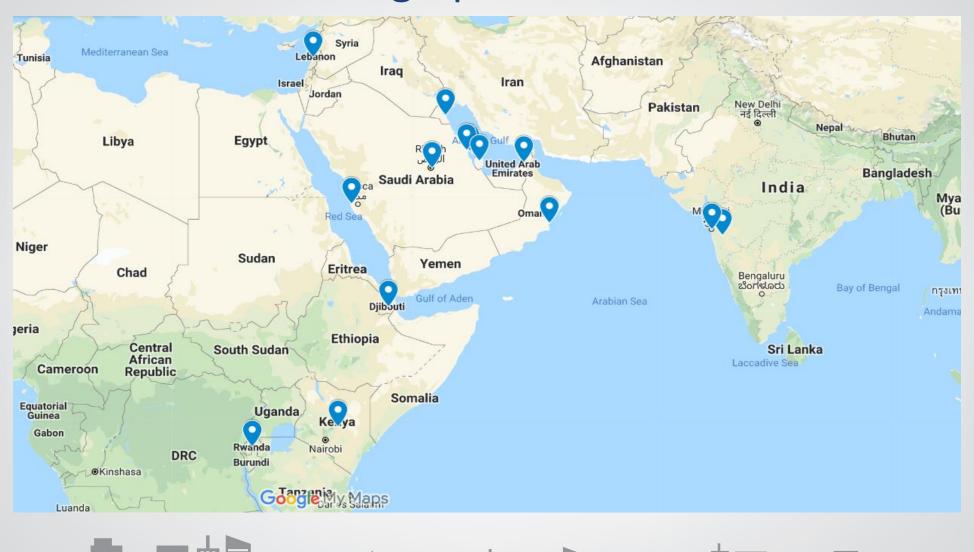




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ACTS Geographical Reach





Accreditations





Management System as per EN ISO 9001 : 2015

In accordance with TÜV AUSTRIA procedures, it is hereby certified that



ADVANCED CONSTRUCTION TECHNOLOGY SERVICES Jeddah Office: Sameer District 21351 JEDDAH, KSA

Applies a Quality Management System in line with the above Standard for the following Scope

PHYSICAL AND CHEMICAL TESTING OF CONSTRUCTION MATERIAL; NONE DESTRUCTIVE EVALUATION; INVESTIGATION; GEOTECHNICAL STUDIES; CONSULTATION AND TRAINING IN THE FIELD OF CONSTRUCTION.

Certificate Registration No : 01013986

Valid until: 2022-10-00 Initial certification: 2013-10-10 Reissue Date: 2020-10-10*





ISO 9001:2015

ISO 14001:2015





Management System as per EN ISO 14001 : 2015

In accordance with TÜV AUSTRIA procedures, it is hereby certified that

ADVANCED CONSTRUCTION TECHNOLOGY SERVICES Jeddah Office: Sameer District

Applies an Environmental Management System in line with the above Standard for the following Scool

PHYSICAL AND CHEMICAL TESTING OF CONSTRUCTION MATERIAL; NONE DESTRUCTIVE EVALUATION; INVESTIGATION; GEOTECHNICAL STUDIES; CONSULTATION AND TRAINING IN THE FIELD OF CONSTRUCTION.

Valid until: 2022-10-09 Initial certification: 2013-10-10 Reissue Date: 2022-10-10*



Athens, 2019-12-12

edification was conducted in accordance with TÜV ALISTRIA auditing and certification







Management System as per

In accordance with TÜV AUSTRIA procedures, it is hereby certified that



ADVANCED CONSTRUCTION TECHNOLOGY SERVICES Jeddah Office: Sameer District

PHYSICAL AND CHEMICAL TESTING OF CONSTRUCTION MATERIAL; NONE DESTRUCTIVE EVALUATION: INVESTIGATION: GEOTECHNICAL STUDIES:

EA Code / Risk Category: 34, 35, 37 / B Certificate Registration No.: 03013053



Athens, 2019-12-12

This certification was conducted in accordance with TÜV AUSTRIA auditing and certification



ISO 45001:2018



SAC DECLARES THAT Advanced Construction Technology Service Company Laboratory for Construction and **Building Testing -Jeddah**

HAS BEEN ACCREDITED TO CARRY OUT THE TESTS MENTIONED IN THE ACCOMPANYING LIST ACCORDING TO LABORATORY ACCREDITATION REGULATIONS AND ACCORDING TO SASO/ISO 17025 FOR THE PERIOD

09/09/2015 TO 16/08/2017

Certificate No: 103 N \1436 Date of Issue: 09/09/2015

تشهد اللجنة السعودية للاعتماد بأن مختبر شركة ادفانسد كونستركشن تكنولوجي سيرفس لفحص مواد التشييد والبناء بجدة

تم اعتماده لأداء الدختيارات المذكورة في القائمة المرفقة مع هذه الشهادة ، وفقآ للائحة اعتماد المختبرات والمواصفة القياسية السعودية أيزو ١٧٠٢٥ وهذه الشهادة سارية المفعول ۱۱/۱۱/۲۵هـ حتی ۱۲۲۱/۱۱/۲۵هـ

> رقم الشهادة : ١٠٢ع / ١٤٣١هـ تاريخ الإصدار : ١٤٣٦/١١/٢٥هـ

رتيس اللحنة



SASO





CERTIFICATE OF ACCREDITATION

This is to attest that

ADVANCED CONSTRUCTION TECHNOLOGY SERVICES (ACTS)

BUILDING #8188, AL SAMER DISTRICT, INDUSTRIAL AREA JEDDAH 21351, KINGDOM OF SAUDI ARABIA

Inspection Agency AA-778 (Type A)

has met the requirements of AC98, IAS Accreditation Criteria for Inspection Agencies, and has demonstrated compliance with ISO/IEC Standard 17020:2012, Conformity assessment - Requirements for the operation of various types of bodies performing inspection. This organization is accredited to provide the services specified in the scope of accreditation.

Effective Date May 22, 2020





Visit www.iasonline.org for current accreditation information

ISO 17020:2012



CERTIFICATE OF ACCREDITATION

This is to attest that

ADVANCED CONSTRUCTION TECHNOLOGY SERVICES - KSA

AL-KHOBAR 21351, KINGDOM OF SAUDI ARABIA

Testing Laboratory TL-788

has met the requirements of AC89. IAS Accreditation Criteria for Testing Laboratories, and has demonstrated compliance with ISO/IEC Standard 17025:2017, General requirements for the competence of testing and calibration laboratories. This organization is accredited to provide the services specified in the scope of accreditation.

Effective Date April 11, 2020



17025,2017

Visit www.iasonline.org for current accreditation information.

Approvals in KSA

Organization	Scope	Status	
Royal Commission Of Jubail and Yanbu	General Approval	Approved	
SABIC (Contractor)	General Approval	Approved	
King Faisal University	General Approval	Approved	
ARAMCO	Geotechnical Engineering Office	Approved	
ARAMCO	Civil Testing Lab	Approved	
Amana Jeddah	Soil And Materials	Approved	
Amana Sharqiya	Soil - Pavement - Concrete	Approved	
Amana Sharqiya	Geotechnical Investigation and study	Approved	
Engineering Consultants Group	General Approval	Approved	
BACS	General Approval	Approved	
GACA (General Authority of Civil Avaition)	General Approval	Approved	
Ma'aden	General Approval	Approved	
BEC	General Approval	Approved	
ANM Quality Management System	General Approval	Approved	
PECSA	General Approval	Approved	
Khatib & Alami (Ministry of Housing)	General Approval	Approved	
MOT (Ministry of Transportation)	General Approval	Approved	



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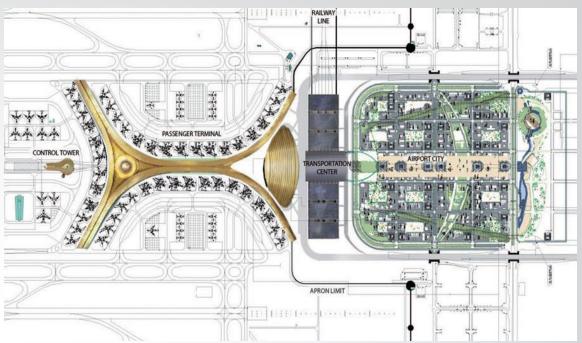


King Abdul Aziz International Airport

Project Information

- > **300** Concrete QC Engineers & Technicians
- > **6,000,000** m³ of concrete tested
- Created a Technical Department to oversee the quality of the Services given
- Quality control pre- during and post casting of concrete







The Kingdom Tower Project

Project Highlights

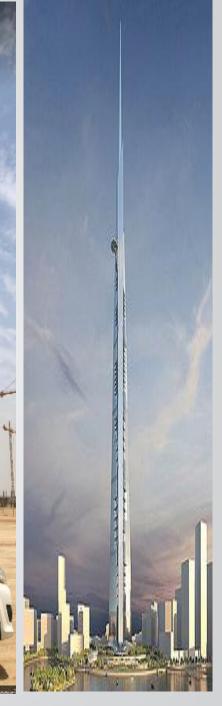
- Tallest Building in the World reaching a height of 1,006 meters
- >800,000 m³ of concrete
- >100,000 tons of steel
- ACTS is deploying >**50** QC Technicians
- Advanced Innovative Technologies used (First in KSA).







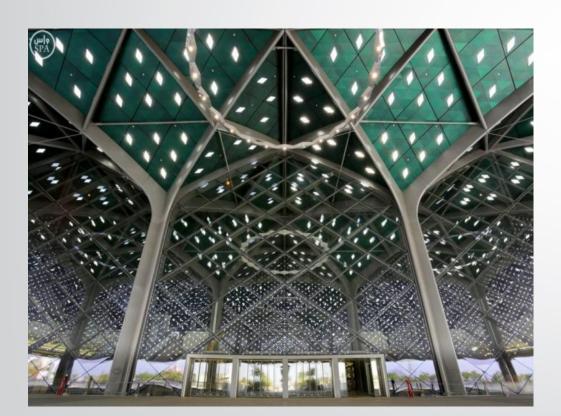




Haramain High-Speed Rail

Project Highlights

- Haramain High Speed Rail Project is a rail link that will connect Makkah and Madina via Jeddah
- ACTS deployed > 30 QC Technicians







Riyadh Metro Project

Project Highlights

- Total of 6 Lines to construct all over Riyadh
- Deployed more than 150 QC Technicians for these projects
- Established 2 Fully Equipped Site Lab (Oruba and South Lab)
- Project Size is the whole city of Riyadh







Some of ACTS Projects -KSA







KAAR Project - Makah

Aramco Innovation Center

Jeddah Economic City

King Abdullah Financial District









Some of ACTS Projects -KSA



AMAALA Project



Qidiyya Project



King Salman Park



Diriyah Gate Project



Diamond Tower

NEOM City

- ACTS involved in the following scope of work:
- Geotechnical and geophysical investigations
- Offshore investigations
- Topography and Survey works







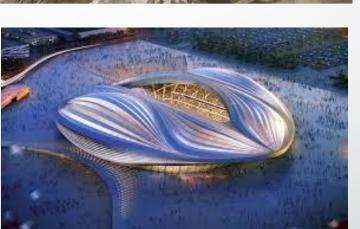
Some of ACTS Projects outside KSA

- Kuwait International Airport
- New Doha International Airport
- Doha Metro Project (Red, Green and Golden Lines)
- Qatar World cup stadiums
- Water Mega Reservoirs
- Dangote oil refinery in Nigeria
- Kigali Ring Road Corridor,
 RWANDA
- US embassy in Lebanon
- US embassy in Mozambique















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Materials Testing



Concrete Technology Consultancy



Environmental Testing



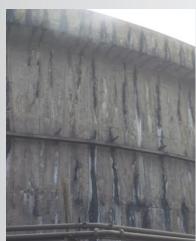
Underwater
Inspections and
Testing



Geotechnical Engineering



Training,
Certification, and
Conferences



Durability and Service Life assessment



Structural Health
Monitoring
System



Metallurgy /
Welding Inspection
and Testing



Pavement and Asphalt Department



Construction Quality and Technical Inspections



Fire Resistance Testing



Fresh Concrete

Hardened Concrete

Soil & Rock

Aggregate Testing

Cementitious Material

Durability Testing

Steel Testing

Asphalt Testing

Elastomeric Materials



















Services Offered

- Geotechnical Site Investigations
- Geotechnical Engineering
- Environmental Engineering,
 Monitoring & Apparatus
- Geophysical Surveys
- Foundation Inspection & Testing
- Pavement Survey & Assessment

Geotechnical Site Investigations

- Offshore & onshore drilling
- In-situ testing of rock and soil strata
- Laboratory testing of soil, rock and water
- Dewatering and pumping tests

Geotechnical Engineering

- Foundational analysis and design
- Shoring and retaining structures
- Anchoring and nailing systems
- Soil stabilization techniques
- Engineered fill and compaction
- Soil improvement

Environmental Engineering, Monitoring & Apparatus Installation

- Installing and monitoring environmental ground wells
- Air quality monitoring equipment
- Noise detection
- Environmental assessment and studies
- Landfills and waste disposal

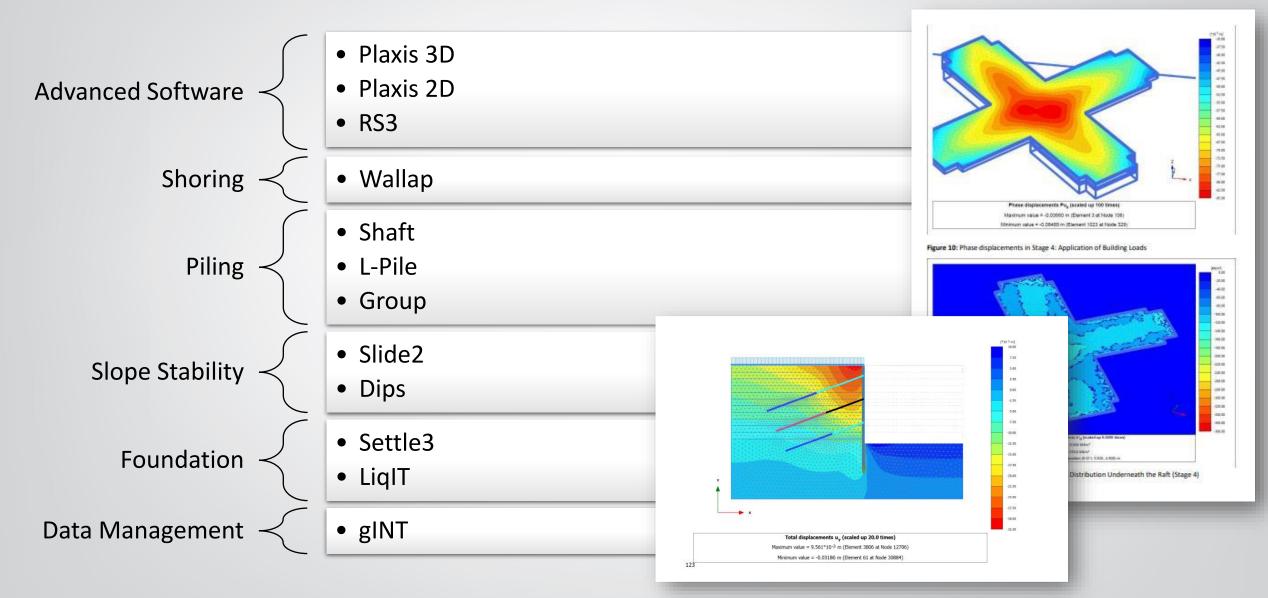
Our proficient team of geotechnical engineers, geophysicists, and geologists are equipped with a solid knowhow in a wide range of subsurface conditions.













Geophysical Services

- Multi Channel Analysis of Surface Waves (MASW)
- Seismic Refraction / Refraction Tomography
- Seismic Reflection
- Refraction Microtremor
- Electrical Resistivity Imaging
- Microgravity
- Ground Penetrating Radar (GPR)
- Downhole/Crosshole Seismic
- Downhole Geophysics (Acoustic Televiewer, Natural Gamma, P-S Logging or Sonic Logging, etc.)

Foundation Inspection & Testing

- Pile inspection
- Pile Integrity Testing
- Crosshole Sonic Logging
- Dynamic load testing
- Caliper logging









Pavement Survey & Assessment

- Visual inspection and Non Destructive Testing
- Friction testing
- Static and Dynamic deflection measurements with our Heavy Weight Deflectometer (HWD)
- Determination of Pavement Classification Number (PCN) for ICAO certification
- Pavement management system design and implementation
- Ground penetrating radar (GPR) surveys
- Density measurements of pavements and base layers

Heavy Pavement Survey

 In line with quality orientation, ACTS added as part of its consulting and engineering services HWD survey and analysis.









ACTS Performs Smart Airfield
Pavement monitoring through
using a complete system of Microelectro-mechanical sensors and
Fiber optic sensor allowing live
monitoring
(Preventive Maintenance)



Asphalt and Pavement Engineering



ACTS Environmental Analytical Services:



Noise Level Monitoring

Soil, Sediment & Sludge Analysis

Water Analysis (Ground water, Sea water, Waste water, Swimming water, Drinking water...)

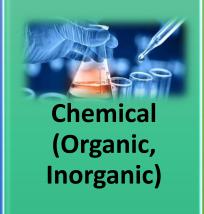
Construction Material Analysis (Cement, Concrete, Aggregate...)

Paint

Types of Analysis



Physical





Microbiological



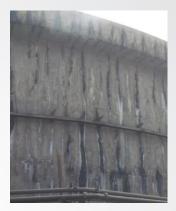














Concrete
Production
Consultancy &
Materials
Development

Concrete
Consultancy
During
Construction

Concrete Quality Control

Third Party
Quality
Assurance
Inspections

Concrete Non-Destructive Testing & Evaluation

Durability and Service Life assessment

Underwater
Inspections and
Testing for
Concrete
Structures





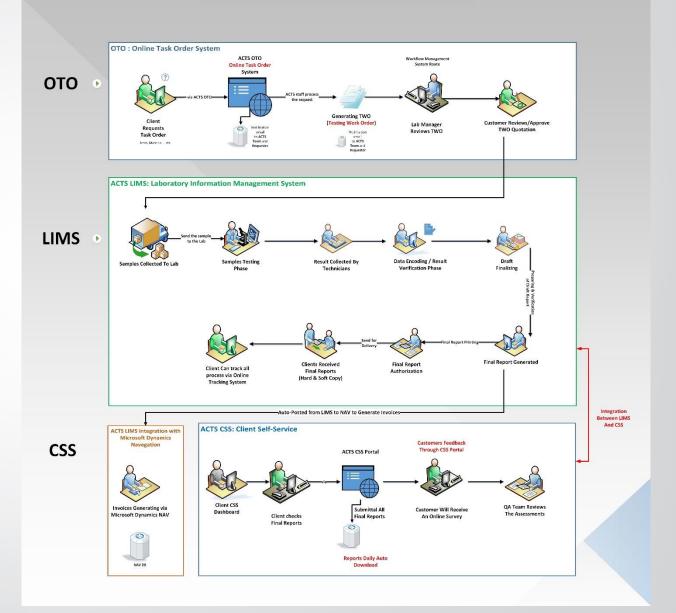
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ACTS Digital Laboratory Systems

ACTS Lab systems allow effective and real time management of the flow of samples and associated data to improve lab efficiency and guarantee integrity

ACTS Digital Lab Systems





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Concrete Pouring Operations Features

Ticket No	Truck No	Departure	Arriavel	The Difference	Assign to	Status	
Premco Hamdaniyah	532174	124	21:50	22:52	1:02	QC1	
Premco Hamdaniyah	532176	136	22:10	23:12	1:02	QC2	Ī
Premco Kaia	908222	172	22:10	22:46	0:36	QC2	Ī
Premco Kaia 9 / 10	898781	56	22:10	23:33	1:23	QC3	Ī
Premco Kaia	902118	175	22:13	23:10	0:57	QC2	Ī
Premco Kaia 9 / 10	908223	79	22:20	23:01	0:41	QC1	Ī
Premco Hamdaniyah	532177	161	22:26	11:33	-10:-53	QC2	Ī
Premco Kaia	908224	41	22:28	23:16	0:48	QC2	Ī
Premco Kaia 9 / 10	898782	104	22:33	23:31	0:58	QC3	Ī
Premco Kaia	902119	132	22:36	23:29	0:53	QC3	Ī
Premco Kaia	896929	22	22:36	23:28	0:52	QC2	Ī
Premco Hamdaniyah	532178	122	22:39	23:29	0:50	QC1	Ī
Premco Kaia 9 / 10	900770	68	22:40	23:48	1:08	QC3	Ī
Premco Kaia	908225	72	22:44	23:27	0:43	QC1	Ī
Premco Kaia 9 / 10	898783	67	22:47	23:37	0:50	QC2	Ī
Premco Hamdaniyah	532179	142	22:50	23:50	1:00	QC3	Ī
Premco Kaia	908226	52	22:51	23:35	0:44	QC2	Ī
Premco Kaia	902120	169	22:53	23:40	0:47	QC1	Ī
Premco Kaia	908227	42	22:58	23:54	0:56	QC3	Ī
Premco Hamdaniyah	532180	121	23:02	0:03	1:01	QC2	Ī
Premco Kaia	902121	84	23:06	23:57	0:51	QC1	Ī
Premco Kaia 9 / 10	900771	33	23:08	23:52	0:44	QC3	Ī
Premco Kaia 9 / 10	900771	75	23:11	0:01	0:50	QC2	Ī
Premco Kaia	908228	21	23:11	23:55	24:44:00	QC1	
Premco Hamdaniyah	532181	137	23:14	0:04	0:50	QC2	
Premco Kaia	896930	127	23:17	0:11	0:54	QC3	
Premco Kaia 9 / 10	900772	118	23:20	0:12	0:52	QC1	

Tracking System for Truck from Batch Plant to Kingdom Tower Project





Total	in the way	Arrived
119	0	119



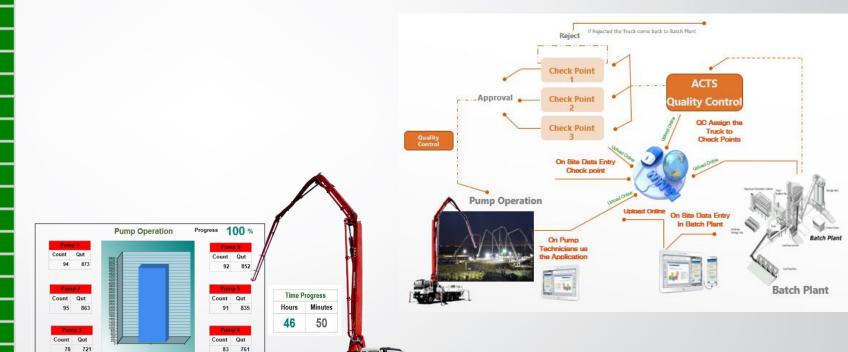
Premco KAIA 9/10

otal	in the way	Arrived	
186	0	186	



Premco KAIA

Total		In the way	Arrived
	324	0	324



Thank You

Advanced Construction Technology Services (ACTS)

www.acts-int.com

Lebanon - Qatar - KSA - UAE - Oman - Kuwait - India - Africa



