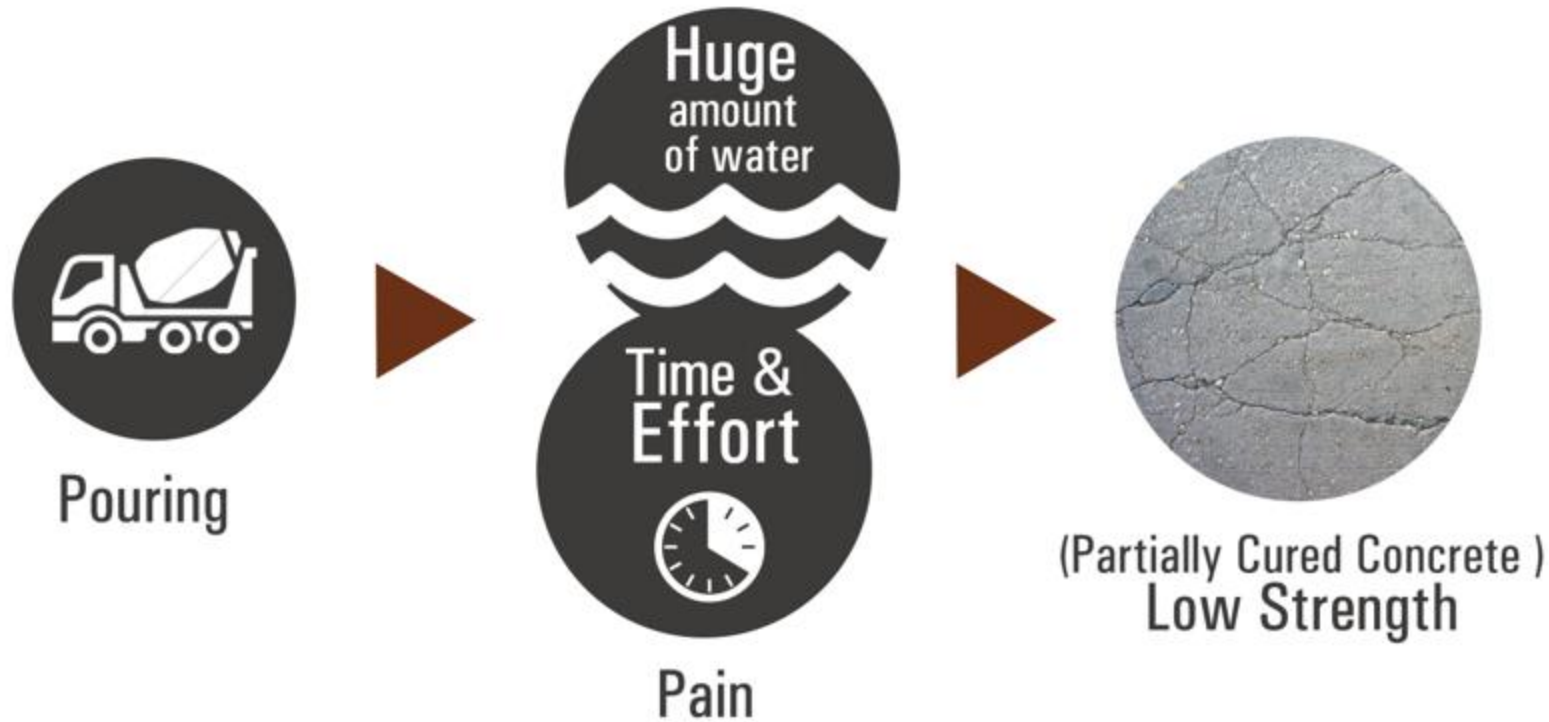




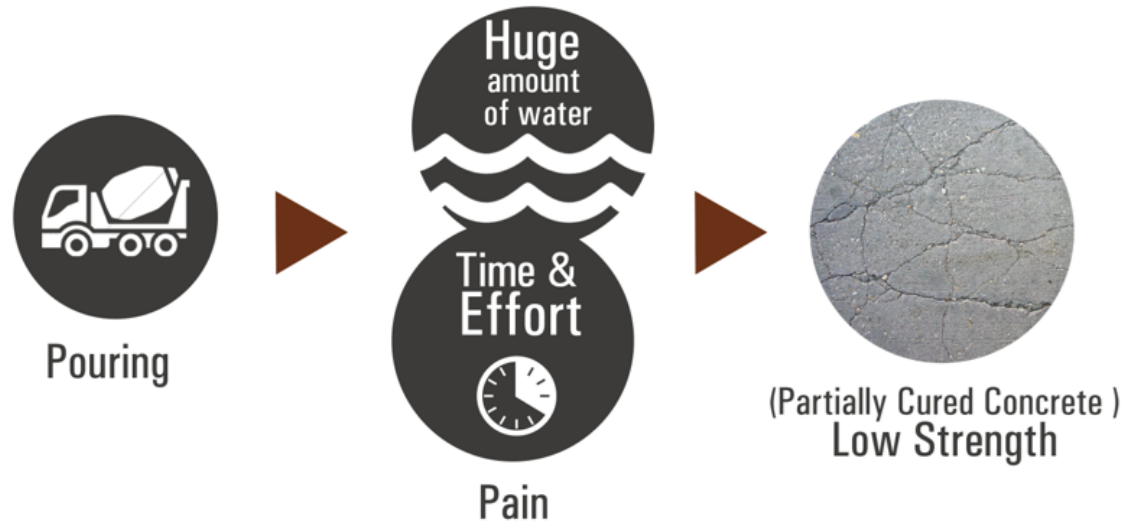
# SmartCure

Innovative Concrete Curing Blanket that speeds up the curing process and saves water and labours' effort for contractors at construction project

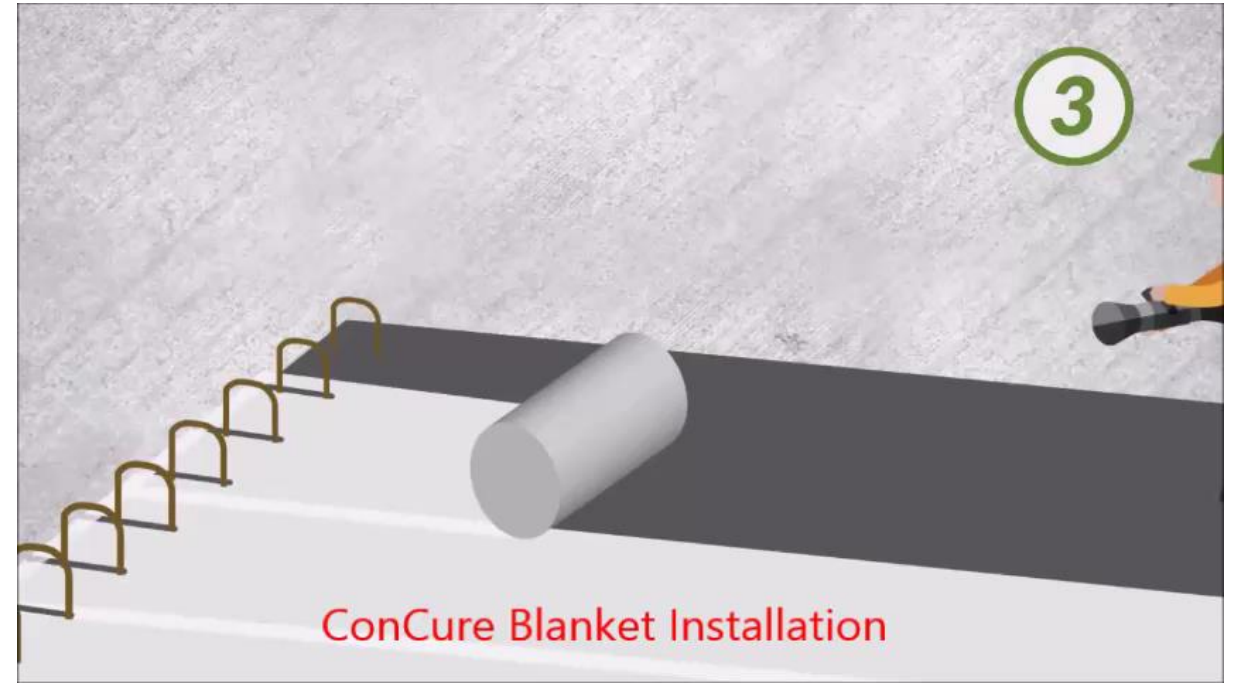
# PROBLEM



# PROBLEM



# SOLUTION



# VALUE ADDED

  
Save Water  
**80%**

  
Speeds up the  
process by  
**6X**

  
**100%  
Curing**

  
**Satisfy  
Consultant**

# Environmental Impact



Save Water

80%

CONCURE

= 250 

TRADITION

= 1250 

for curing



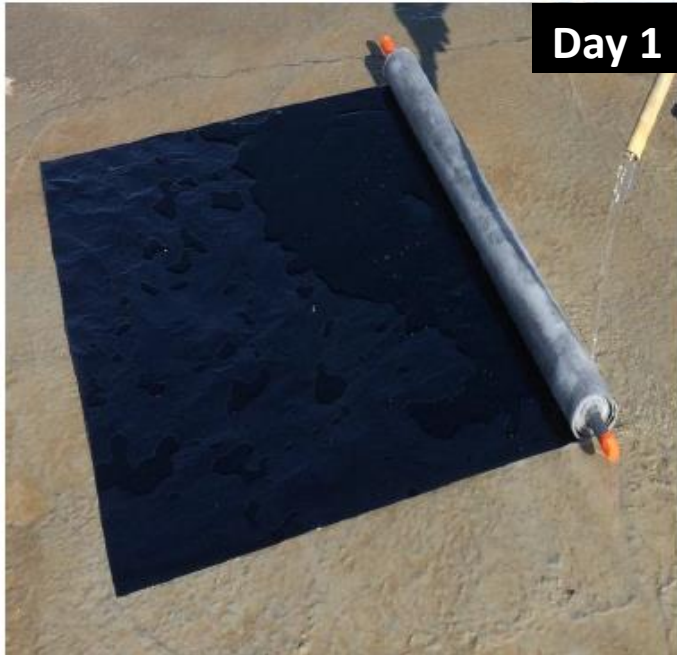
Clock Tower  
Makkah



# PROTOTYPE



2<sup>nd</sup> Prototype



Day 1



Day 1



Day 7

Fifth Prototype (Feb. 2016)





PROTOTYPE



# PROTOTYPE







# Real Life Testing



# Lab Testing and Results

10



Slab	Core1 (MPa)	Core2 (MPa)	Core3 (MPa)	Average (MPa)
ConCure Covered	37	36	34	35.7
Burlap Covered	35	34	36	35.0





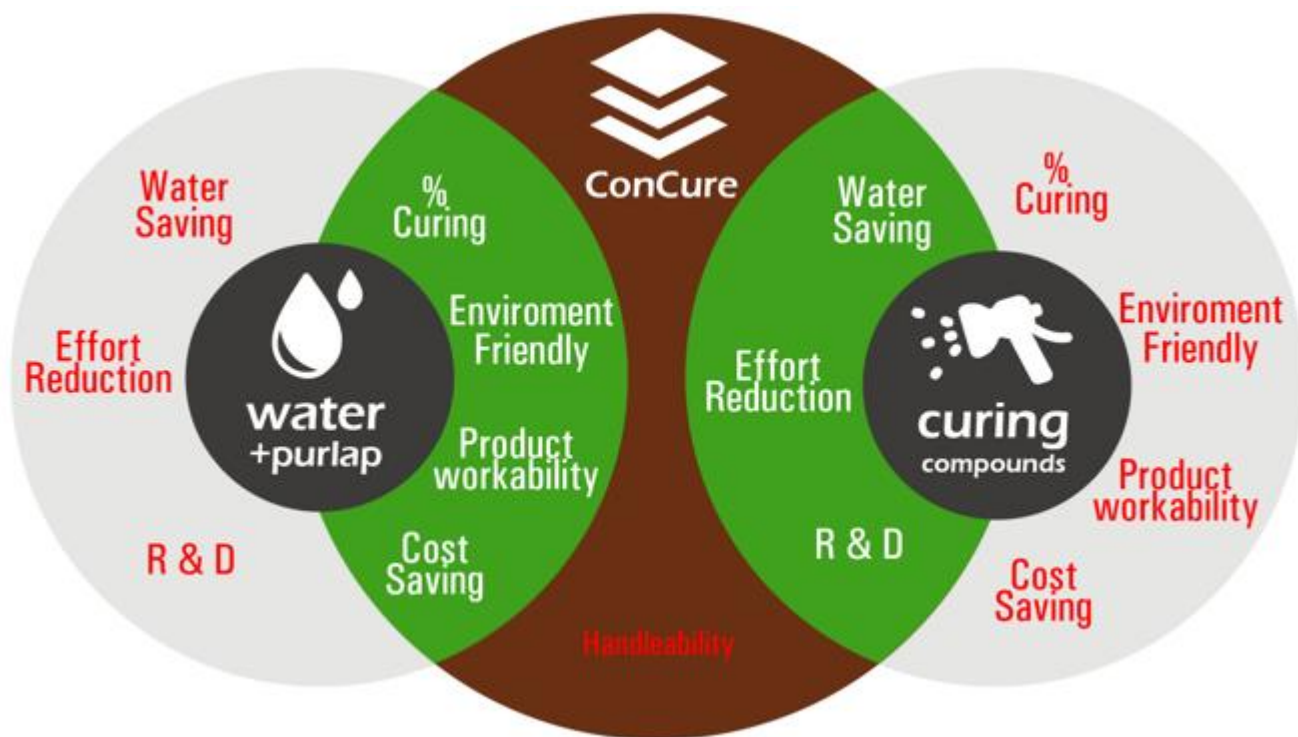
Comparison  
between the  
**conventional**  
and **SmartCure**  
solutions

ConCure  
solution

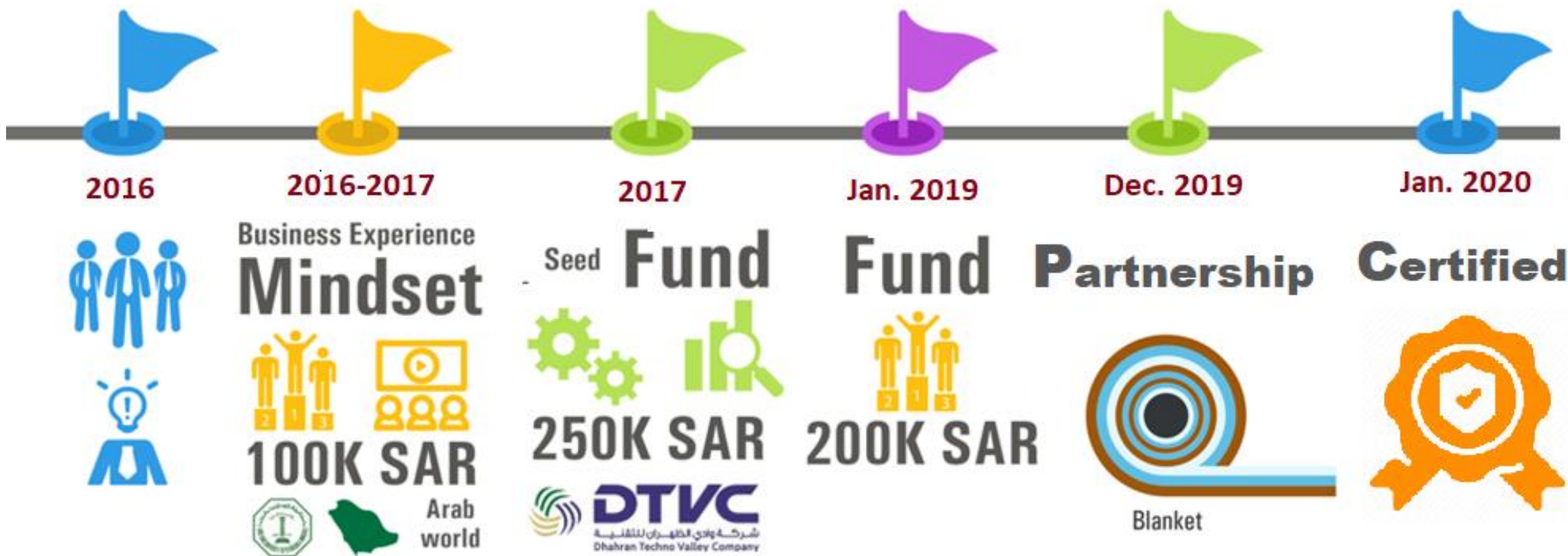
Conventional  
solution



# COMPETITIVE ANALYSIS



# MILESTONES





# ACHIEVEMENTS

	Competition Winners	5
	Conference & Exhibitions	4
	Media	Radio, TV, Press
	Prizes	100,000 SAR
	Investment Events	4
	Seed Fund	243,000 SAR

*Day 1*







*After 7 days*



# ASTM Compliance



INTERNATIONAL  
CERTIFICATION  
AUTHORITY

Worldwide Training, Certification and Inspection Body

**CERTIFICATE**

This Certificate is granted to the organization

## CERTIFICATE OF COMPLIANCE

Certificate Number: ICA-IEC-JO 100899

**Applicant** : Dr. Feras Kafiah,  
Acting Head of Mechanical Engineering Dept.  
King Hussein Business Park, Building 23, Amman,  
Jordan 11831

**Manufacturer** : Al Sannabel Company for Converting Industries  
Al Faysaleah, Al Muaqar, Amman, Jordan

**Product** : SMART CURE (Concrete Curing Blanket)

**Standard Test** : ASTM C171- 03,  
ASTM C171-97a,  
AASHTO M171-00


**Validity Date** : Sunday, January 26, 2020  
**Next Surveillance** : Monday, January 25, 2021

The moisture retaining covers have a tensile strength meeting ASTM D882 and a minimum retention capacity of 6.5(g). The material meets or exceeds ASTM C171- 03, ASTM C171- 97a, and AASHTO M171-00, standard specifications for sheet material for curing concrete slabs or pavement. The superior water retention ability of SMART CURE allows the blanket to absorb more than 500 L of curing water per 200 m2 roll, providing the critical moisture required for the long term wet curing of concrete surfaces.

Samples have been tested according to ASTM D5035-11:2015 & NWSP 70.9.R1 at Al Sanabel Jo-Lab, Amman, accreditation Number JAS Test-105.

ICA\GQS\IAL\2019

Signed on behalf of ICA By

  
/ President



The certificate may be rendered invalid if there is any lack of fulfillment of conditions set out the rules of ICA Certification Body for compliance with ISO 17021:2001 'Conformity Assessment'.  
Website: [www.ica-cb.com](http://www.ica-cb.com)



# Startup Competition Awards

2015

**MIT** ENTERPRISE FORUM  
ARAB STARTUP  
COMPETITION

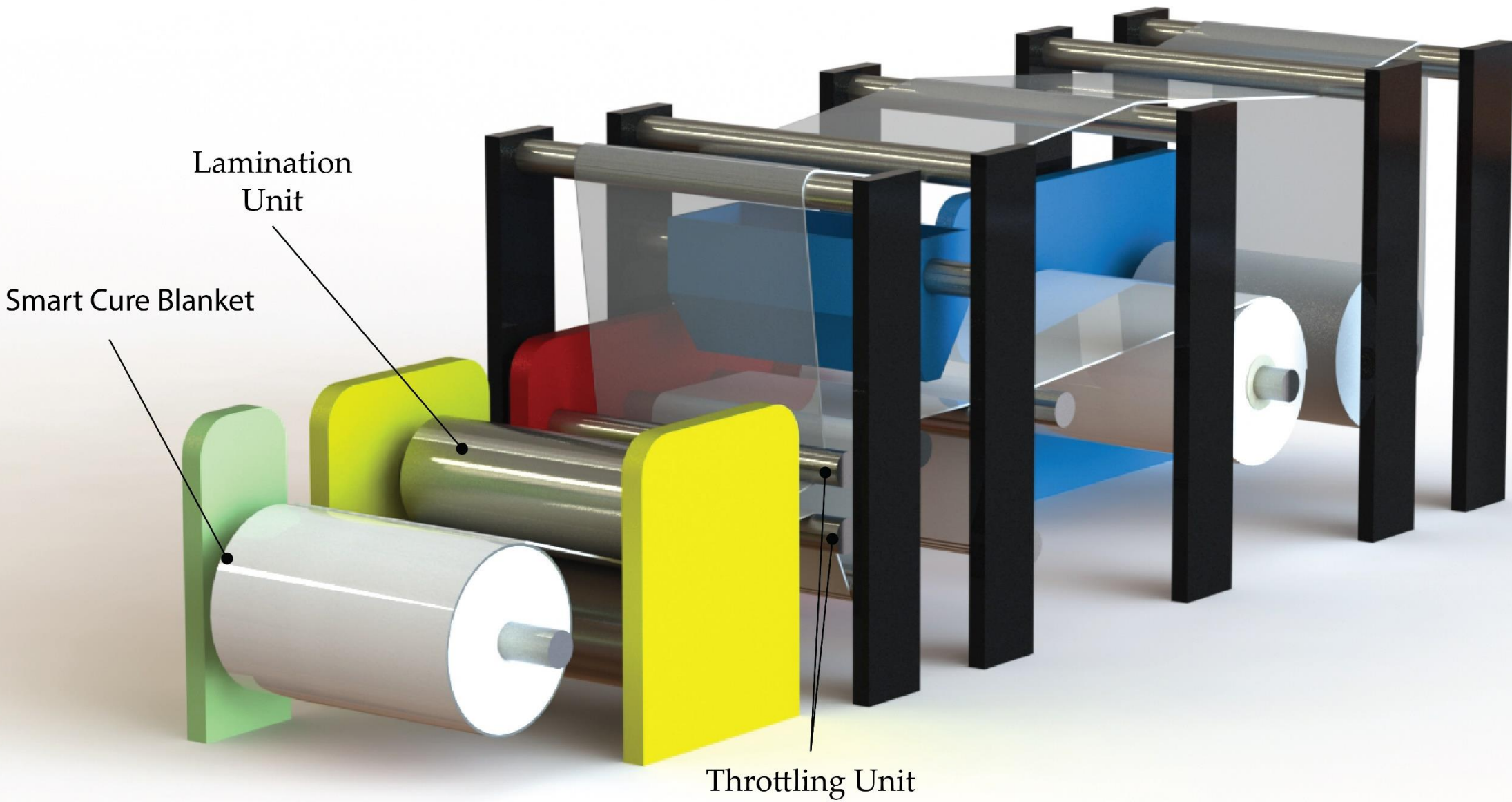
In partnership with  
**Abdul Latif Jameel**  
Community Initiatives



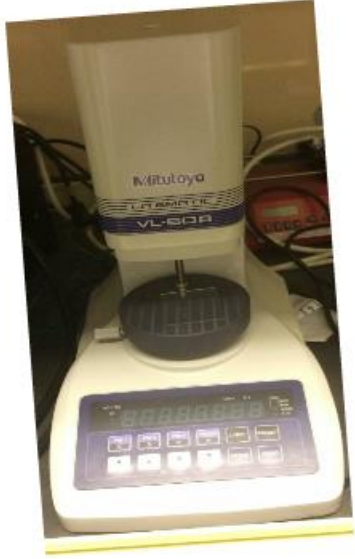
**MIT** Massachusetts  
Institute of  
Technology  
ARAB ALUMNI ASSOCIATION











# *PDS: Product Data Sheet*



## SmartCure Product Data Sheet

### **Single Use Indoor & Outdoor Concrete Curing Blanket**

#### **Description:**

SmartCure is a single-use wet curing blanket provides constant and thorough hydration while maintaining a 100% relative humidity condition on the slab for a curing period of 7 days resulting in less surface discoloration and a more evenly cured concrete slab





# *Thanks*

"In the business world, everyone is paid in  
two coins: cash and experience.  
Take the experience first; the cash will come later."

*Harold S. Geneen*