

# Samad Aerospace

## GUAS 2019

Product Summary  
and development  
update

.....

September 2019



# SENIOR TEAM



**Seyed Mohseni**  
Founder and CEO



**Angus Runciman**  
CFO



**Graeme Codner**  
CTO



**Iain Gray, Prof.**  
Chief Strategy Adviser



**John Fielding, Prof.**  
Senior Aircraft  
Design Adviser



**John Ellis**  
Commercial Manager






**Norman Wijker**  
Head of R&D



**Amir Edalatian**  
Co-founder and  
Commercial Advisor

# Samad Aerospace

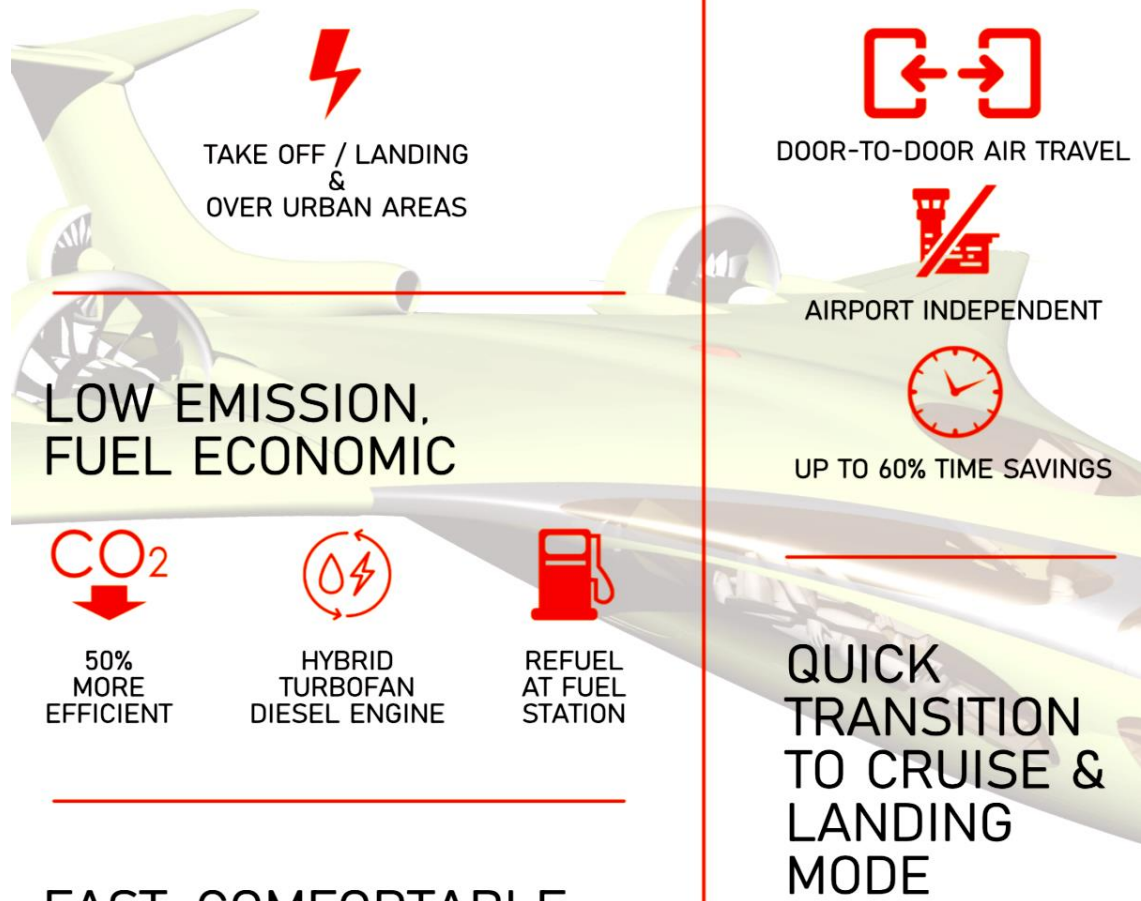
	UAV STARLING™	e-STARLING™	HUMA™
			
TECH.	HYBRID-ELECTRIC	HYBRID-ELECTRIC	ALL-ELECTRIC / HYBRID-ELECTRIC
CRUISE SPEED	120 MPH	300 MPH	125 MPH
RANGE	300 MILES	800 MILES	100 MILES (ELECTRIC) / 300 MILES (HYBRID)
CAPACITY	20-40 KG PAYLOAD	6 OCCUPANTS MAX.	200 KG / 2 PAX
MARKET	DELIVERY / OBSERVATION / PATROL	BUSINESS / LEISURE	URBAN AIR & GROUND MOBILITY



# E-STARLING



## THE FIRST ELECTRIC / HYBRID-ELECTRIC BUSINESS JET



## FAST, COMFORTABLE & LUXURIOUS



## VERTICAL TAKE-OFF & LANDING



# e-STARLING

- Spiral method of development is being adapted.
- Full transition is achieved for the smaller prototypes
- The half scale prototype concept design stage is finished

10 % scaled prototype



20 % scaled prototype



50 % scaled prototype



## e-STARLING



TECHNOLOGY  
HYBRID  
ELECTRIC

CRUISE SPEED  
300  
MPH

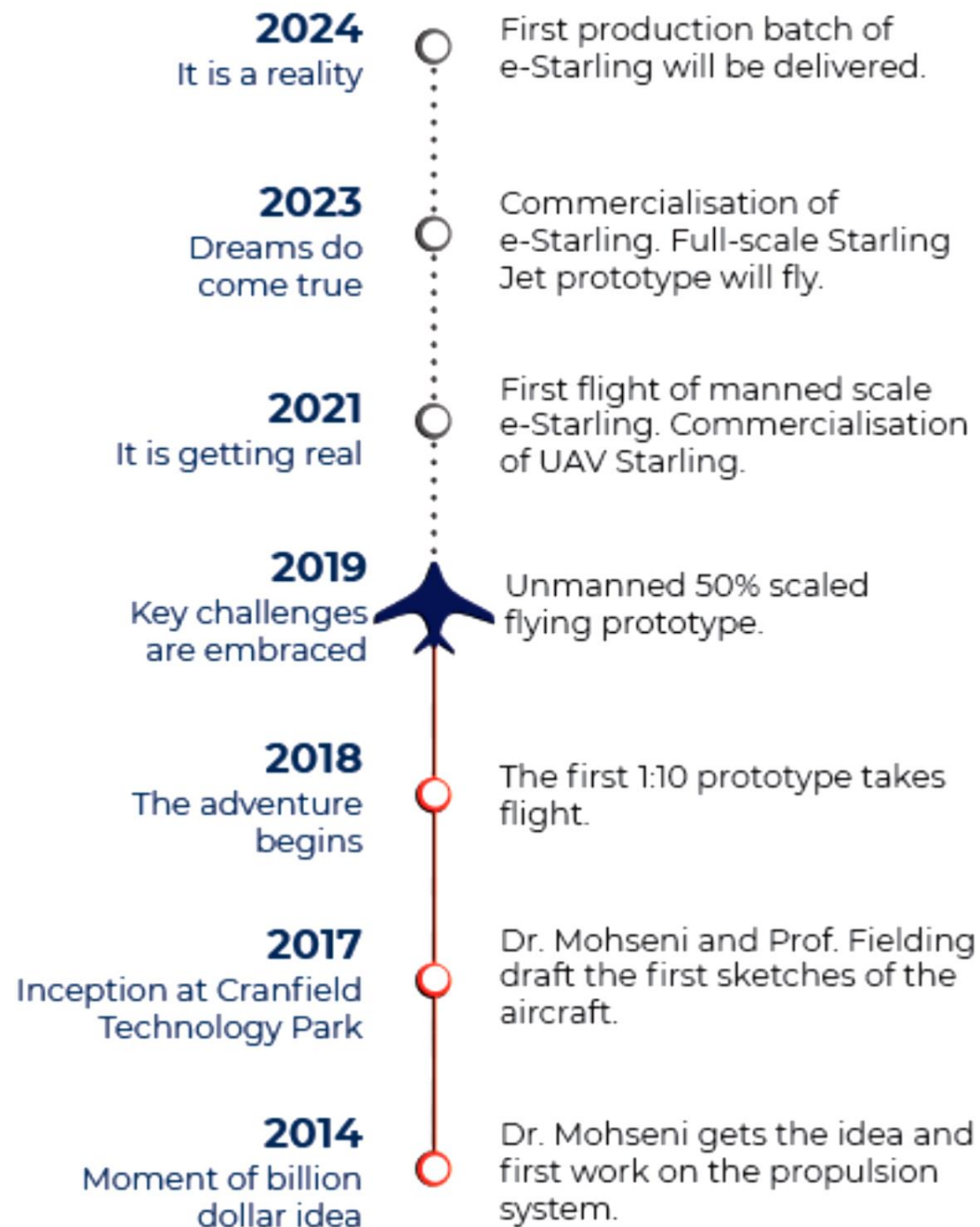
RANGE  
800  
MILES

CAPACITY  
6  
OCCUPANTS  
MAX.

MARKET  
BUSINESS  
/ LEISURE



## 03 E-STARLING PROJECT TIMELINE



# HUMA

- Large single rotors for low noise (using quite Owl wing technology) and high efficiency
- Wing-borne transit is significantly more energy efficient than rotor-borne solutions, giving higher speeds and longer range
- Provide an *on-demand* door to door service
- Minimise or eliminate down time due to charging
- Ensure that “aero modules” stay within an aerospace environment (ie not subject to impacts and damage that can arise from road use)

**HUMA™**  
HOME & URBAN MOBILITY AIRCRAFT





**PROPULSION**  
ALL-ELECTRIC &  
HYBRID-ELECTRIC

**PAYLOAD**  
200 KG / 2 PAX

**CRUISE SPEED**  
125 MPH

**MAX SPEED**  
200 MPH

**RANGE**  
100 MI (ELECTRIC)  
300 MI (HYBRID-E)

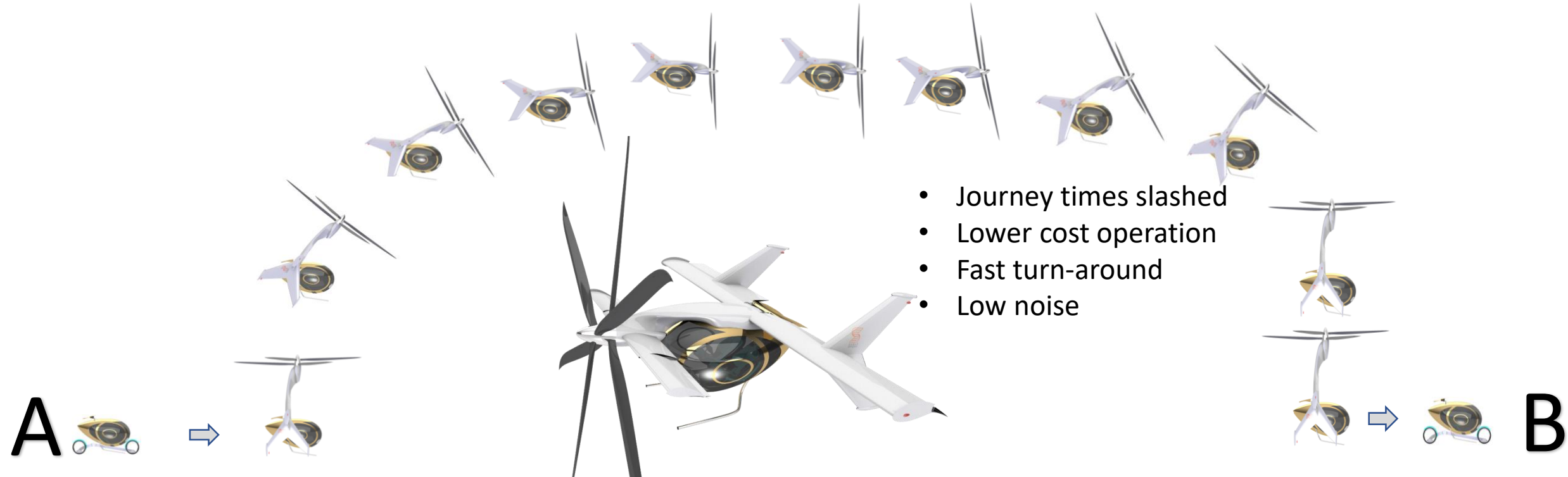
**TOP CEILING**  
10,000 FT

**CRUISE ALTITUDE**  
3,000 FT

**MTOW**  
600 KG

# HUMA™

HOME & URBAN MOBILITY AIRCRAFT





# UAV-STARLING



**TECHNOLOGY**  
HYBRID  
ELECTRIC

**CRUISE SPEED**  
120  
MPH

**RANGE**  
300  
MILES

**CAPACITY**  
40 KG  
PAYLOAD

**MARKET**  
DELIVERY /  
OBSERVATION  
/ PATROL

**SAMAD**  
aerospace



**Seyed Mohseni (PhD,  
MBA)**

CEO, Samad Aerospace  
Conway House  
Cranfield Technology Park  
Cranfield MK43 0FQ  
Bedfordshire, United Kingdom

[seyed@samadaerospace.com](mailto:seyed@samadaerospace.com)



**Thank you.**