

The background features three technical drawings of a mechanical device, labeled 'Fig. 2.', 'Fig. 3.', and 'Fig. 4.'. Each drawing shows a cross-section of a cylindrical component with various internal parts and numbered callouts (10, 11, 15, 17, 18, 19, 20, 21, 22, 23, 24). The drawings are rendered in a light blue color against a darker blue background. The text 'TMC | INNOVATION' is centered in white, with a vertical dashed line separating 'TMC' and 'INNOVATION'.

TMC | INNOVATION

# TMC Innovation





# TMC Member Institutions



# Texas Medical Center Overview



**10 million**

patient visits per year

**59**

member institutions

**180,000+**

annual surgeries

**9,700**

total patient beds

**\$2 billion +**

Extramural funding

**8<sup>th</sup> largest**

Business district in the U.S.

# Texas Medical Center Overview

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**INNOVATION**



**HEALTH POLICY**



**CLINICAL  
RESEARCH**



**GENOMICS**



**REGENERATIVE  
MEDICINE**

# Innovation Team

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**ERIK HALVORSEN, PH.D.**  
Director, Innovation Institute



**GWYNNETH BALLENTINE, PH.D.**  
Digital Health Lead



**LANCE BLACK, M.D.**  
Medical Device Lead



**ARIELLE CARPENTER**  
Healthcare Innovation Lead



**COURTNEY COGDILL**  
Business Operations Manager



**CHRISTINE HALL**  
Senior Innovation Writer

# Innovation Team

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**REGINA JOHNSON**  
Executive Liaison



**ERIC RICHARDSON**  
Associate Director, Biodesign



**FARZAD SOLEIMANI, M.D.**  
Associate Director, Biodesign



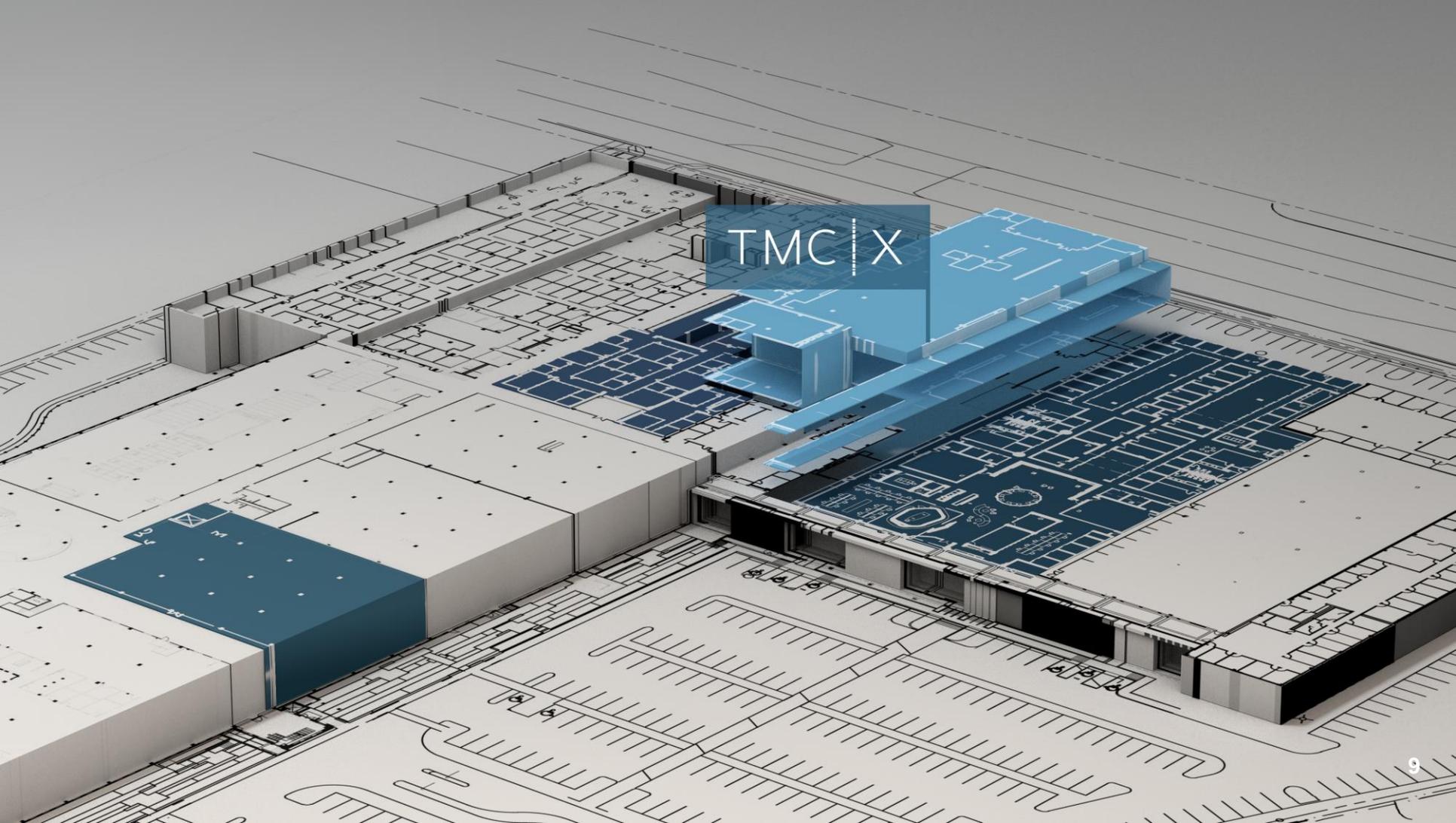
**MELISSA FELDMAN**  
Innovation Program Analyst



**ALEJANDRO HARB**  
Digital Health Analyst



**THOMAS GENINATTI, PH.D.**  
Medical Device Analyst



TMC | X

# TMCx Company Traction

2015-2017

84

Total number  
of companies

\$157 M

Total  
Funding raised

263

Customer engagements  
including pilots and  
agreements

834

Engagements with  
advisors and clinicians

# TMCx5 Companies

Aesela™

ALLEVIANT



DOCK



nanoeear

NAVi

ORPHIDIA

PolyVascular

raing

REPLETE  
BIOTICS

Resthetics

SONAVEX

Vena Medical

v:tls

# TMCx Program Structure

MEDICAL DEVICE 2017



**3-week**

**BOOT CAMP**

**140**

**ADVISORS** engaged

**74 hours**

of **PITCH WORKSHOPS**

**120**

Advisor **OFFICE HOURS**

**72**

Curriculum **SESSIONS**

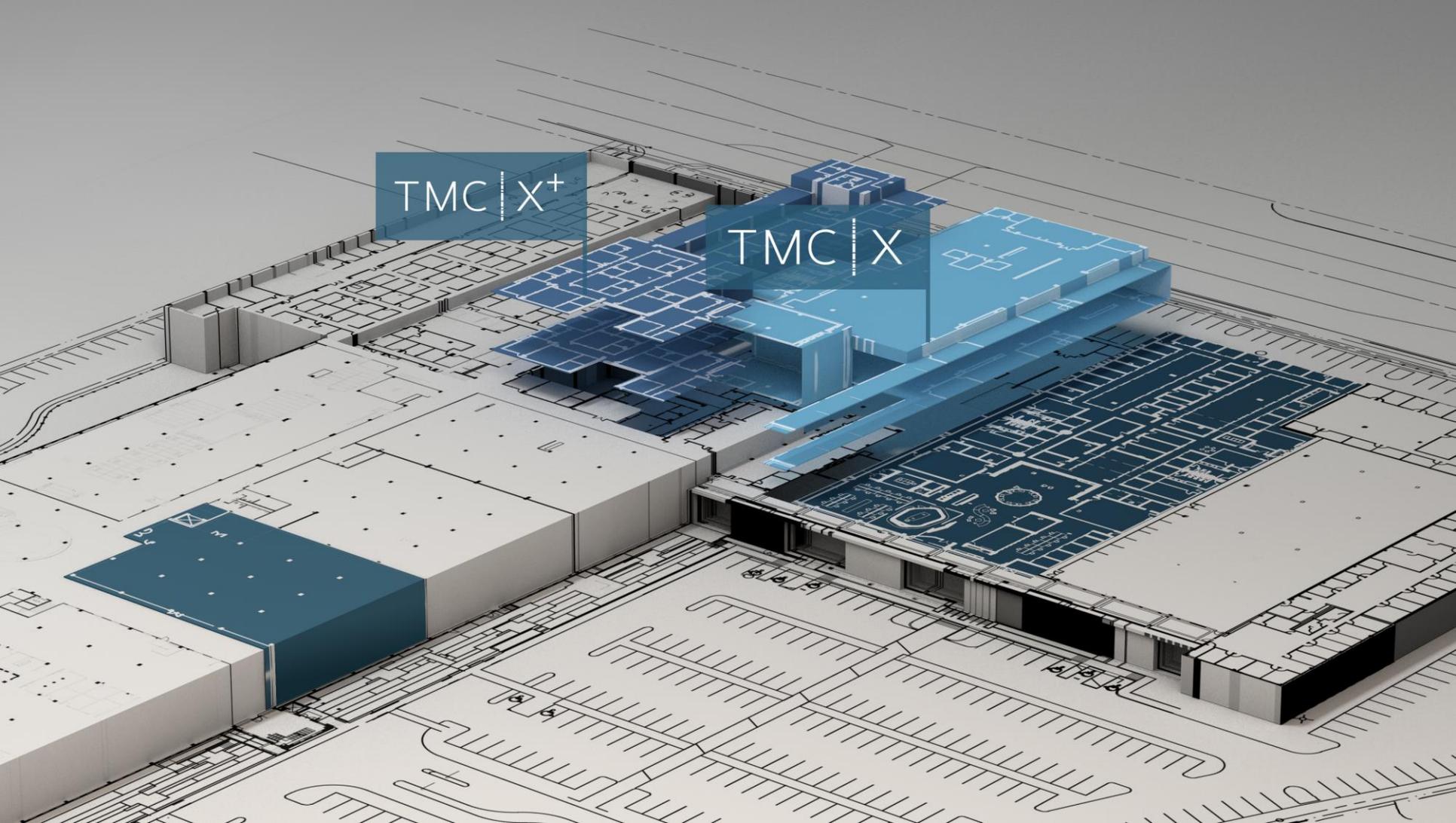
**13**

**MEMBER INSTITUTIONS** engaged

**#TMCxDEMODAY**

TMC | X<sup>+</sup>

TMC | X



# TMCx+ Incubator & Co-working

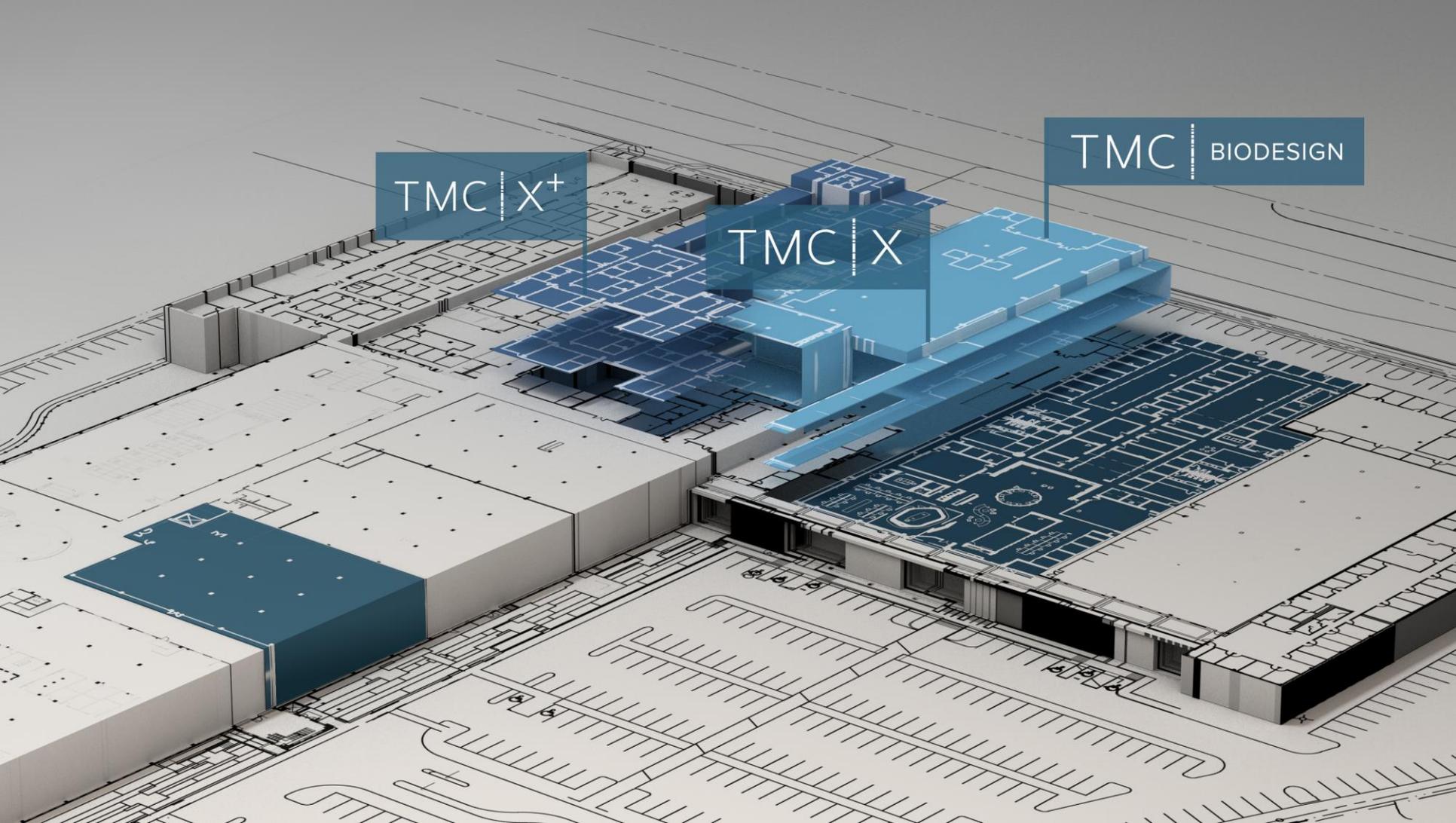
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- Affordable office and co-working space for health care and life science startups.
- Access to TMC Innovation resources and community, including the TMCx, JLABS@TMC and AT&T
- Best place in Houston to work in the proximity of health care industry leaders and innovators

**[TMC.EDU/INNOVATION/APPLY](http://TMC.EDU/INNOVATION/APPLY)**







TMC X+

TMC X

TMC BIODESIGN

# The Biodesign Process

## identify

250+ clinical hours

400 unmet needs  
generated

## invent

UNIQUE ENVIRONMENT  
for entrepreneurs

100+ strategic engagements

2 patent filings

## implement

2 companies incorporated

\$800k total funding raised

9 business plan competitions won

5 accelerators/incubators attended

TMC X<sup>+</sup>

TMC X

TMC BIODESIGN

Johnson & Johnson INNOVATION  
— JLABS —

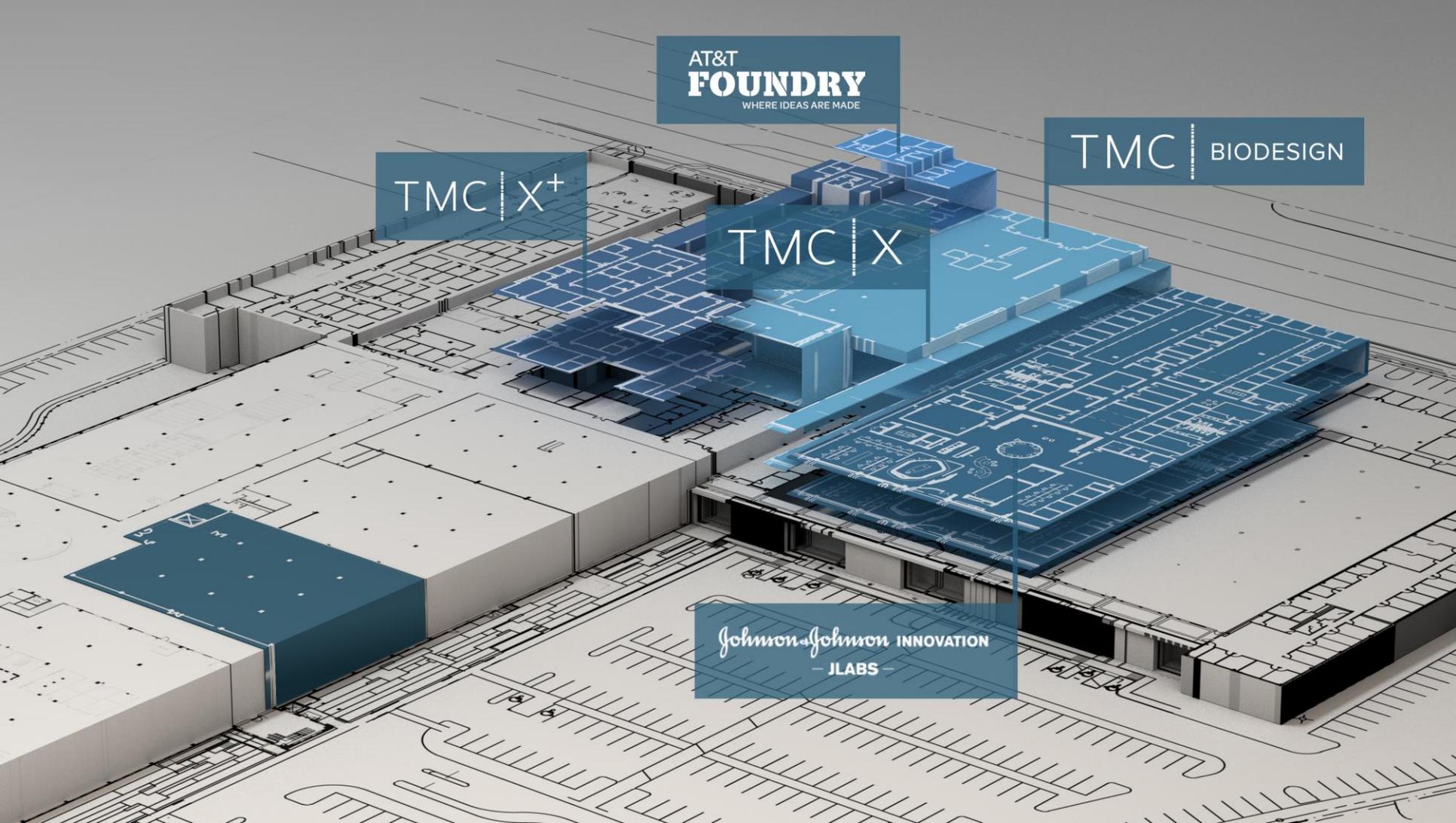
AT&T  
**FOUNDRY**  
WHERE IDEAS ARE MADE

TMC X<sup>+</sup>

TMC BIODESIGN

TMC X

Johnson & Johnson INNOVATION  
— JLABS —



# Corporate Partnerships

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- Incubator providing emerging life science companies with many of the advantages of being in a big company without the capital investment.
- Access to state-of-the-art infrastructure, including singular bench tops, modular wet lab units and office space, as well as the greater resources of J&J Innovation.



- Fast-paced and collaborative environment where AT&T teams work with developers to deliver the latest apps, products and services to market faster than ever before.
- Developers work with AT&T technology experts, access resources they can't get anywhere else, and accelerate their innovations.



- CareKit™, a new software framework designed to help developers enable people to actively manage their own medical conditions.
- The Texas Medical Center is designing apps to guide and support care pathways for its 8 million patients to improve their health through enhanced connectivity with their care teams.

AT&T  
**FOUNDRY**  
WHERE IDEAS ARE MADE

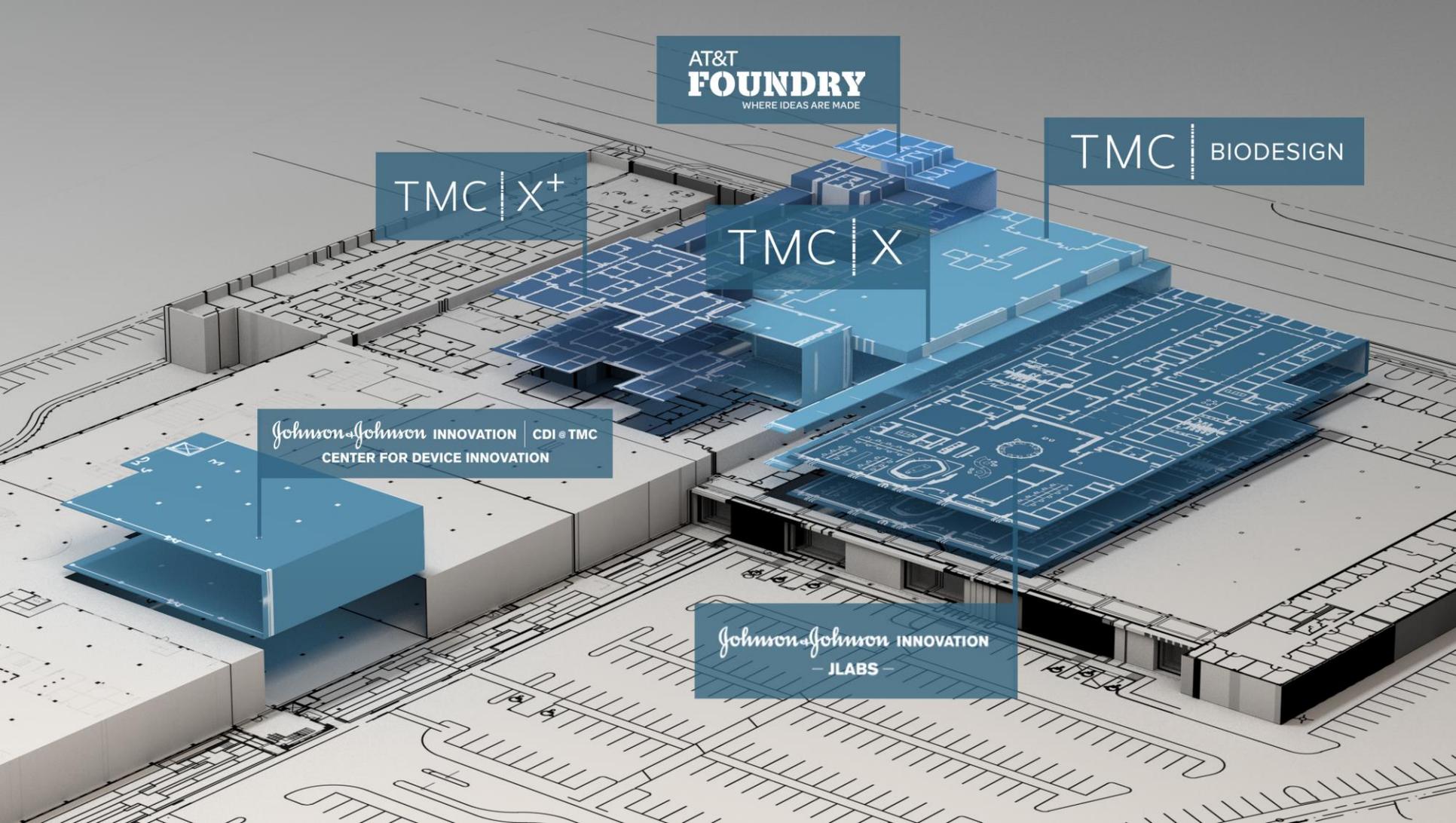
TMC | BIODESIGN

TMC X<sup>+</sup>

TMC X

Johnson & Johnson INNOVATION | CDI @ TMC  
CENTER FOR DEVICE INNOVATION

Johnson & Johnson INNOVATION  
— JLABS —



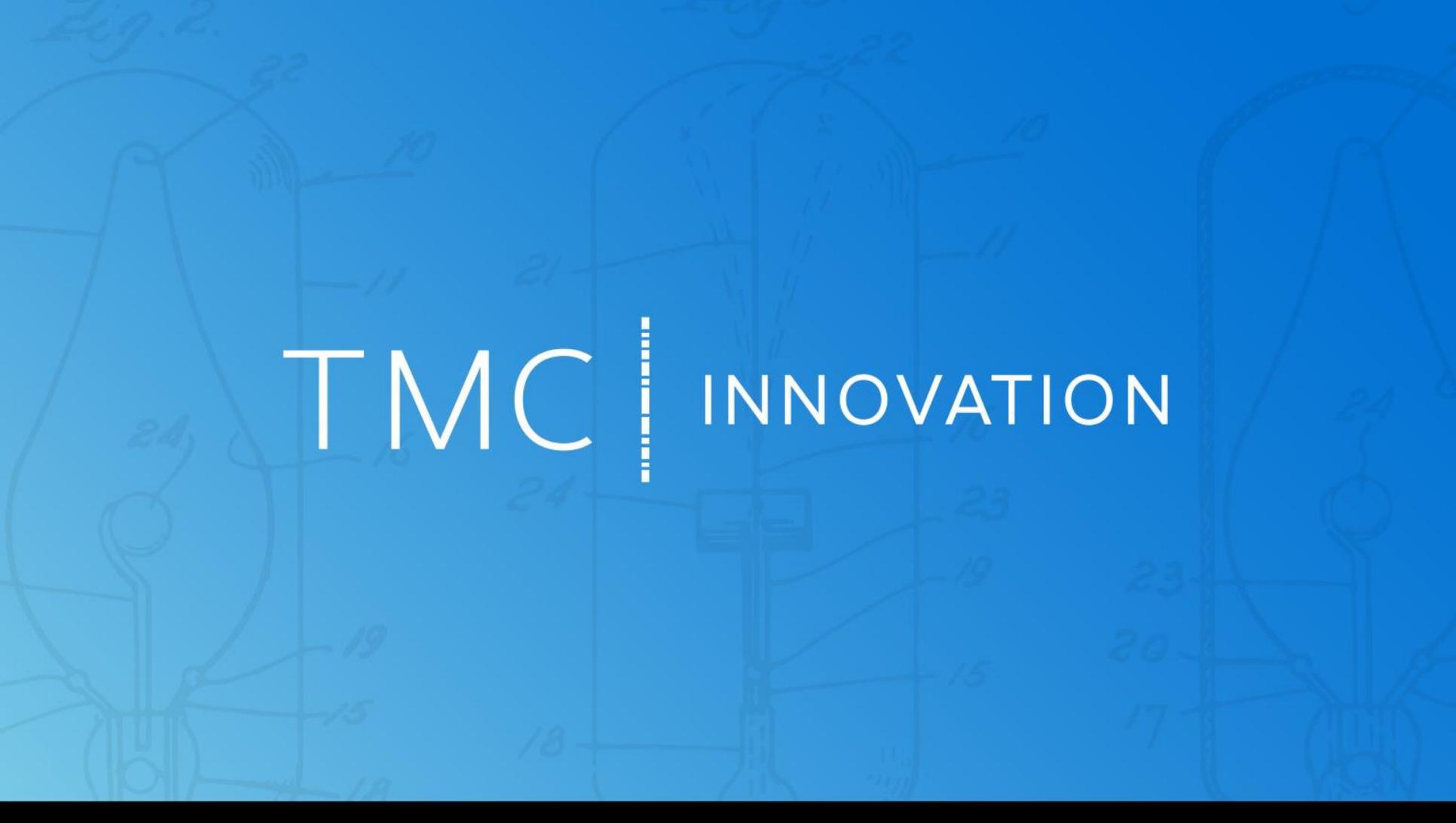
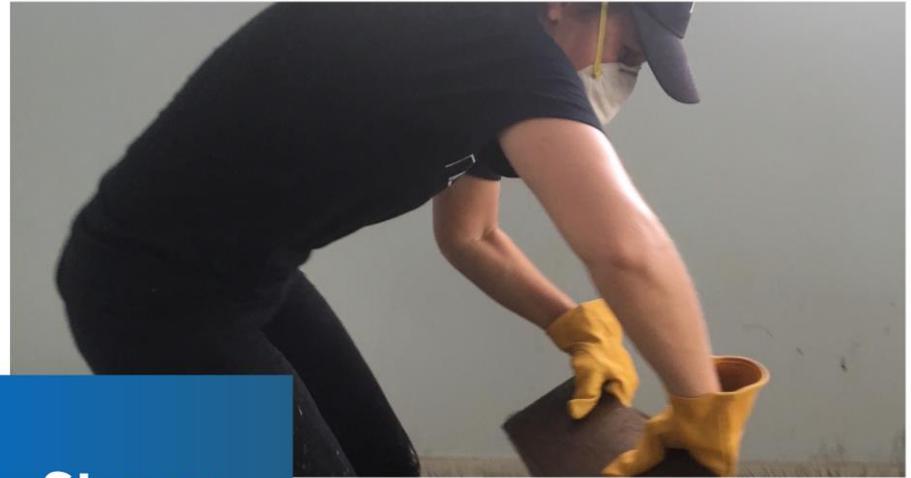


Fig. 2.

TMC | INNOVATION

The background features three technical drawings of a mechanical device, likely a lamp or a specialized light fixture. Each drawing shows a different view or component of the device. The drawings are annotated with various numbers: 10, 11, 15, 18, 19, 20, 21, 22, 23, and 24. These numbers are connected to specific parts of the device by thin lines, indicating their identification in a technical specification. The drawings are rendered in a light blue color against a darker blue background.



#HoustonStrong





#HoustonStrong

