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UMaine holds virtual groundbreaking for \$78 million Ferland Engineering Education and Design Center

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Repository Citation

Humphrey, Dana; Mills, Jeffery N.; and Ferrini-Mundy, Joan, "UMaine holds virtual groundbreaking for \$78 million Ferland Engineering Education and Design Center" (2020). *General University of Maine Publications*. 1012.

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UMaine holds virtual groundbreaking for \$78 million Ferland Engineering Education and Design Center

Live streamed April 28, 2020

Run Time 00:35:59

<https://youtu.be/zurj4i2tnNY>

English language (auto-generated) TRANSCRIPT

02:01

>> Welcome to the virtual groundbreaking for the Ferland

02:04

Engineering Education & Design Center, I'm Dana Humphrey, Dean

02:08

of Engineering at the university of Maine. I would like to true

02:11

you to a team of outstanding individuals who are making

02:12

construction of the Ferland Engineering Education & Design

02:17

Center a reality for the next generation of U Maine

02:19

engineering students. Thanks to the great technology

02:24

folks here at U Maine we will livestream for the next 30

02:27

minutes and play pre-recorded videos

02:31

. We'll post them to the U Maine foundation website so you

02:33

may view them again later.

02:35

Please share the link with your friends. Near the end, we will

02:40

virtually break ground using a United States format with

02:43

appropriate social distancing. I'll be

02:47

joined by Matt Tenello, director of operations for Consigli

02:50

Maine. Ray

02:54

, principal of WBRC. U Maine president, Joan Ferrini-Mundy,

03:02

university of Maine chancellor Dan mulow. And U Maine

03:04

president, Jeff mills

03:08

Let's begin with a video from Jeff millions.

03:09

>> Hello I'm Jeff mills, President and CEO of the

03:12

university of Maine foundation. Donors to the Ferland nearing

03:15

education and design

03:19

center have set new records for private capital support to the

03:21

university of Maine as part

03:25

of our 200 million vision for tomorrow comprehensive campaign.

03:27

Thank you all. I'm pleased to announce

03:31

the fundraising total the Ferland center is a record \$78

03:34

million in private and public funds.

03:39

It includes supports from alumni, friends, foundations,

03:41

and the great State of Maine.

03:46

The naming gift of

03:49

\$10 million from native, Jim and Eileen Ferland is the largest

03:52

capital gift in the University of Maine's system's history.

03:57

Jim is a retired power

04:00

industry executive with a degree in mechanical engineering from U

04:02

Maine, class of 1964.

04:07

Jim and Eileen

04:10

returned to or no to announce this wonderful gift.

04:15

>> We would also like to thank the herald Alford foundation for

04:16

all their help with the Ferland center.

04:19

>>

04:22

We have fortunate to receive four other

04:26

gifts of # million dollars or

04:29

more to the,

04:33

PCA, carry Enos, president of the pulp and paper foundation

04:36

helped us to us nounce the gift on our main day of giving.

04:41

Thank you to Mark Kowlzan, President and CEO o-P-C-A.

04:49

A # \$1 million gift from Debbie lits comm, and Denim Ward.

04:54

Denim and Debbie

04:57

returned to Bowdoinham, Maine, after being part of the

05:00

Rochester New York chapter. Also a \$1.5 million gift from

05:06

the Pfeiffer Research Foundation. And a

05:11

\$1 million gift from Pratt and Whitney to name the new machine

05:12

tool lab

05:16

. We appreciate Pratt & Whitney for facilitating this gift and

05:19

employing so many U Maine engineers.

05:21

Once again I would like to help all the people who liked to

05:25

make the Ferland center the largest capital figure project

05:29

in the history of the University of Maine, the college of our
05:32
hearts, always. >> Thank you Jeff. I would
05:40
also like to thank Pat Cummings
05:44
, Diane woodworth, Dan will et, and all the philanthropy
05:47
officers at the U Maine foundation who care for our
05:50
donors. This project would not have happened without your
05:51
tireless
05:56
efforts.
05:56
Now I would like to introduce the president of the university
05:58
of Maine, and
06:02
university of Maine, Joan Ferrini-Mundy, she came to U
06:05
Maine from the National Science Foundation in Washington, D.C.
06:08
where she was the chief operating officer.
06:10
Immediately upon her arrival, two years ago, Joan began
06:14
visiting Maine companies. Several of whom have given to
06:17
this project.
06:18
She has led the development of a system-wide research plan.
06:24
Throughout the COVID-19 crisis, Joan has offered insightful, and
06:27
proactive leadership for
06:31
our students, faculty, staff, and state.
06:32
Now let's turn to Joan. >>JOAN: Thank very much dean
06:38
Humphrey. Good Afternoon everyone, I'm delighted to
06:41

welcome you to this opportunity to break new ground together in

06:48

this virtual way for the Ferland Engineering Education & Design

06:48

Center. This is a major milestone for the future of

06:51

engineering and for education. For the university of Maine, the

06:54

university of Maine system, and the State of Maine, and well

06:57

beyond.

06:59

The building will be constructed on the university of Maine

07:01

campus in Orono. On marsh island in the homeland. I'm

07:07

glad you're all joining us this afternoon. I'm a new president

07:10

here and when I arrived

07:14

two years ago, I was delighted to find so much progress on this

07:15

exciting project and have been thrilled to be a partner with

07:19

all of you in bringing it to where we are today.

07:24

The Ferland Engineering Education & Design Center's new

07:26

laboratories and classrooms will enable team-based hands-on

07:30

experience for next-generations of graduates of university of

07:34

Maine engineering programs. These generations of students

07:37

will provide leadership and innovation in engineering, for

07:41

careers in Maine and well beyond.

07:42

The Ferland center the way it has been designed will support

07:46

the most modern cutting-edge ways of approaching teaching and

07:50

learning. It will provide spaces for groups to work

07:55

together on the projects they are inventing from their senior
07:57

capstone projects to others. It will allow for interdisciplinary
08:01

work and working across the boundaries of engineering to solve
08:04

real problems for our state and beyond.
08:06

At this moment the class of 2020 is completing their senior
08:10

year online, and with a remote instructions
08:15

. I have to say I'm so pleased that our faculty and students
08:18

and staff have responded with characteristic resilience. This
08:23

unprecedented and necessary
08:27

response to the COVID-19 crisis is making me, and all of us
08:29

appreciate all the more the strength of our university
08:30

community and the importance of a college education to prepare
08:34

the next generation to respond to United States challenges.
08:38

In particular, in engineering where innovation and inventions
08:42

to solve problems are critical we are
08:46

just seeing our students and our faculty step up at this
08:49

important moment, and we know that the new building is going
08:52

to serve as a wonderful, motivation for all of us to
08:54

continue in this area of work.
08:56

We are continuing to increase enrollment in engineering. To
08:59

produce the talent needed by industry that's critical to
09:03

Maine's economy particularly as we look ahead post COVID-19
09:05

period. The project itself is a jobs creator. As recognized by
09:09
the state legislature, and the governor, when they approved a
09:15
record \$50 million of state investment this project in July
09:18
2017. At the peak of construction,
09:23
which will occur under safe conditions,
09:26
when we are past the pandemic, an estimated 150 workers will be
09:29
on-site with additional workers off-site and in supporting
09:32
roles.
09:35
WBRC architects, engineers,
09:39
based in bang or have designed
09:43
the new Ferland center, and Consigli in Portland, Maine is
09:46
leading its construction. We are really proud of all the U
09:49
Maine graduates who are working on this design and construction.
09:51
09:53
Education & Design Center is expected to be completed in the
09:56
spring of '2222.
10:01
One thing we're excited about is its education and welcome center
10:04
within the center will be the front door for a lot of our
10:06
admissions towers. Welcoming perspective students from all
10:09
majors from across the university to our
10:14
flagpublic research institution.
10:15
I would like to thank many people. Especially Jim and
10:21
Eileen Ferland. The

10:25

herald Alfond foundation, and they're CEO Greg Powell, and all

10:27

of the donors who have made this a reality. Special thanks to

10:31

Susan hunter

10:35

who helped make this project happen in her time here. I

10:37

would also like to acknowledge the outstanding leadership and

10:40

incredible energy of did he know Humphrey, for his vision,

10:45

his hard work, and his Prince in

10:48

ensuring this is come to fruition.

10:51

Our chief business officer Claire strickland has been

10:53

essential through the many planning and policy approvals it

10:56

needs. And I know that we all appreciate what a special and

11:00

optimistic time this is for our university of Maine faculty and

11:02

staff in engineering for all of the students, those who are here

11:05

now, the thousands of students who will begin their

11:08

professional learning in the new Ferland center, and all of our

11:12

alums who are so proud to see their campus, their institution

11:15

making this kind of an advancement going forward.

11:18

Thank you too, to our leadership in the university of Maine

11:21

system and the Board of Trustees for all that they have done to

11:23

support this work.

11:24

This is a wonderful day and I'm delighted to be a part of it.

11:30

>> Thank you

11:37

President

11:40

Ferrini-Mundy now I would like to give you a tour of the

11:42

building. >> It's my pleasure to take

11:46

you on a virtual tour of the Ferland Engineering Education &

11:46

Design Center. I would like to start by thanking our wonderful

11:49

donors, James and Eileen Ferland who have given the naming gift

11:53

for this building. This building is going to become

11:56

the heart of engineering education at the university of

11:58

Maine. Undergraduate students will be in

12:03

this building at least once a day for something.

12:07

Now we take a look at where is this building located on campus?

12:10

To orient ourselves there is the black bear in front of the

12:13

fieldhouse

12:18

. And then we have the engineering district and the

12:19

building is right here. That 3-story building is the Ferland

12:23

Engineering Education & Design Center right in the heart of the

12:25

engineering district. Now let's take a look at a

12:28

street-level view. Here's the building from long road, this is

12:32

a three-story building, the bottom floor is granite facade,

12:38

the second and third floor is mostly brick to match the brick

12:41

nature of the university of Maine campus

12:46

. We have the first floor which has significant laboratory space

12:48

which we're going to look at. The second floor is primarily

12:51

mechanical engineering, with classrooms for everyone, and

12:55

then the third story is biomedical engineering with

12:59

classrooms for all different majors.

13:01

Now we take a look at the south end of the building, this

13:06

is the cloak plaza entrance, you can see we have steps going up

13:09

into the building. We have outdoor seating, so people can

13:13

come and enjoy this nice, warm, southern exposure. You can see

13:19

we have two stories of glass here to let lots of natural

13:22

light into the building.

13:23

Now one of the great features we have is we're going

13:27

to have a connecting walkway to Boardman Hall, the second-story

13:29

level. Boardman is one of our historic nearing buildings that

13:34

way students can freely flow from the -- from Boardman Hall

13:37

to the Ferland Engineering education and design center.

13:41

Now let's actually go inside the building. This is inside the

13:46

south entrance to the building. This is the Packaging

13:48

Corporation of America Commons. Where we have comfortable

13:51

seating here

13:54

, for students and faculty to interact, to chat, to work on

13:56

problems. We have food service that's available here. So, up

14:03

through grab and go sandwiches, so this is a place you come for

14:06

a cup of coffee to get a bite to eat. And then if we look at

14:09

the back what we have is we have meeting rooms for students, we

14:14

have 12 rooms like

14:19

this on each floor of the building, with seating capacity

14:20

between 5-12 students. This is space where students can take

14:26

and sign out for that space.

14:26

Now if we take a look at the opposite end so this is the

14:30

north entrance to the building. Here we have our welcome center

14:33

for the entire campus. When a perspective student comes to

14:39

campus, they're going to start their

14:42

tours here in the Ferland education design and education

14:44

center. We can see the

14:49

stairway going up to the second floor,

14:52

so very bright, open and inviting space. Now let's take

14:56

a look at some of the abs.

14:58

This is the student project design suite. This is the heart

15:01

of the building. We have 48 work benches that we can assign

15:04

to a group of students for a semester or a year so that's

15:06

going to be their bench.

15:11

It has lockable storage underneath so they can keep

15:13

their stuff there since it's their bench they can leave their

15:16

projects out on top. All utilities come down from

15:20

overhead so we can rearrange the benches as needed. And this

15:23

space is surrounded by shops. We

15:27

have shops for biomedical engineering,

15:30

electronics, 3-D printing, a tool crib,

15:34

a vehicle shop, a metal shop, a wood shop, and a composite shop.

15:37

So the students are going to go out to the appropriate shops,

15:39

fabricate parts, bring them together to

15:44

their bench, assemble them, test it,

15:47

debug it, go back to the shops and make modifications to make

15:49

real projects that really work. Let's take a look now at one of

15:52

the other labs. This is the Pratt & Whitney tool suite.

15:59

This is a suite where we have

16:02

milling machines, metal lays a program that's vital for our

16:04

mechanical engineering technology group

16:10

. And very bright, very open space and a vital learning

16:12

component for this building.

16:15

Now let's take and move up to the second floor. Here you can

16:19

see looking down what we call Main Street. You can see lots

16:22

of glass where -- so people in the corridor can go out and look

16:25

and see the cool things that's happening in the surrounding

16:29

classrooms and lab stories. Nice open staircase going up to

16:35

the third floor. You can also see the basic color scheme.

16:40

We have nice wood paneling there.

16:44

Along with some accent of U Maine blue. Let's take a look

16:46

at some of the spaces in the second floor, this is one of our

16:50

collaborative classrooms

16:54

. You can see we have it set up where the students are going to

16:55

be

16:58

sitting at tables of 6 with a large-screen monitor at the head

16:59

of each table. So the students are going to come to a space

17:04

like this and work together on problems. Any student sitting

17:08

at a table can wirelessly connect their computer to the

17:11

monitor, and what we want is to have that learning happen in the

17:16

small group environment under the guidance of our faculty.

17:18

Now let's take a look at one of the laboratories on

17:24

the second floor, this is one of the mechanical engineering

17:25

teaching labs. All the utilities come down from a grid

17:30

that's overhead. And the benches

17:34

themselves can be rearranged as needed. This is vital space for

17:36

both mechanical engineering, and mechanical engineering tong.

17:40

Now let's take

17:44

a look up on the third floor, this is looking down Main Street

17:46

on the third floor. You can see we have a skylight that runs the

17:52

length of the building.

17:55

This will let lots of natural light in. It is going to be a

17:57

bright, warm, inviting space. We have windows that look out

18:01

into the surrounding classrooms and labs. On one side

18:05

we have our biomedical engineering teaching

18:07

laboratories, and then we go to the other side. We have looking

18:12

down here we have our biomedical engineering research labs. So

18:15

people here are going to be able to look and see the cool things

18:17

that's happening in our laboratories.

18:19

To let light down into the lower floors, we have this

18:23

opening here in the floor so the natural light from the

18:24

skylights is actually going to penetrate all the way down into

18:28

the building

18:31

. Very wonderful space, and vital for

18:35

our biomedical engineering program. We'll be opening in

18:40

fall of 2022.

18:43

So when the students come back for the fall semester they'll be

18:45

in this building. And I would like to recognize all of the

18:49

wonderful folks who have been part of the process. Our

18:53

design team was WBRC

18:56

. Architects and engineers based out of Bangor. Ellenzweig

19:03

, our contractor is Consigli, the university of Maine and

19:07

front and center, because the faculty and the students

19:14

and the college of engineering spent countless hours giving

19:14

input to design.

19:17

This is very much their project, and then we have the State of

19:19

Maine, the State of Maine has been vital

19:24

because they gave the base funding for

19:27

this building with bipartisan support and Thornton Tomasetti.

19:30

We've had 500 donors for this project, and these are pictures

19:33

of just a few of them. This has been a joint effort to make

19:37

this incredible project come together. And this project will

19:39

be the best of its kind in the northeast, and will give the

19:43

university of Maine college of engineering the cutting edge

19:46

relative

19:49

to programs throughout the northeast.

19:54

This will be an exciting building for U Maine engineering

19:58

students and so I've invited Allison Bessettey, a senior in

20:04

mechanical engineering to share her thoughts on the project.

20:09

>> Hi my name is Allison Bessette. I'm a senior in

20:12

mechanical engineering, and I'm originally

20:16

from egg was, Massachusetts. I'm excited what about it means

20:20

for the future engineering students especially those in

20:20

mechanical. By having the design suite itself you're able

20:23

to have so many more resources available to these students to

20:28

have this hands-on product. The best way to learn, especially in

20:31

engineering is hands-on. Students will be able to have

20:33

their own space to de-bug and learn by trial and error, and

20:37

have access to the different types of materials, the

20:40

composites, the metal

20:44

, the wood, the 3D printing shop many resources students haven't

20:47

had experience with, and by being able to have these labs

20:50

available to them it's one of the most meaningful things

20:53

because you're able to use the different materials and projects

20:57

you might see in classroom but you won't be able to work on

20:59

hands-on usually. This is something I've been so excited

21:01

to hear about. The design suite itself is going to open so many

21:04

avenues for these students and so many types of learning

21:08

available to the new engineering students.

21:10

Another thing exciting about the Ferland is the collaborative

21:13

classrooms. I found with myself and a bunch of friends that

21:20

small group setting makes it so easy to learn and pick up new

21:21

concepts. Sometimes your friend gets it one way, and

21:27

you have it another, and having that collaborative classroom

21:29

with that monitor on the end is one of the best ways to learn.

21:33

I'm excited to see that students will have that readily available

21:35

to them. I'm also excited to hear about food service. I know

21:39

a lot of students have those issues with not having enough

21:42

caffeine. So having the food service makes it easier so we

21:46

can stay on with our studies, and not have to worry about

21:50

stopping for food, we can get food in the building, and can

21:52

continue working on our projects or our studies. So overall I

21:57

think those are the top-three things

22:01

I found most exciting with the Ferland Engineering Education &

22:01

Design Center, and it's going to be one of those amazing products

22:04

and I'm so excited to see this project come to life.

22:09

>> We'll now

22:14

hear from Maine governor, Janet Mills.

22:17

>> Hello I'm governor Janet Mills, during

22:21

the difficult crisis I'm pleased to take

22:24

this moment to

22:28

celebrate

22:32

a this monumental opportunity for U Maine students to learn

22:34

skills in emerging fields, in state-of-the-art classrooms and

22:38

biomedical and mechanical nearing labs, and once we're on

22:41

the other side of this pandemic,

22:45

it will be another crucial tool to help us address our workforce

22:45

challenges

22:50

which is critical to the growth of our economy and our success

22:51

as a state. I offer my sincere congratulations to president

22:55

Joan Ferrini-Mundy,

23:00

chancellor denim Malloy, and Jeff millions of the U Maine

23:04

foundation, and dean Humphrey

23:07

for this flexibility, as well as a 500 private donors who made

23:09

this possible. State of Maine is a proud financial appearance

23:12

in every respect in this effort.

23:16

>> We will now hear from the chair of the university of Maine

23:20

system, Board of Trustees, James Erwin,

23:24

and chancellor Dan Malloy. >> The Ferland Engineering

23:28

education and design center is exactly the kind of investment

23:32

we need to be

23:35

making in the university of Maine, in the Maine economy,

23:40

and in our children's future

23:43

. The public and private support that have made today

23:45

possible will give the university of

23:49

Maine a competitive advantage in attracting and preparing

23:52

students for terrific jobs, both in Maine, and beyond.

23:58

Congratulations from the university of Maine system Board

24:00

of Trustees

24:03

to the many, many people whose teamwork and effort have helped

24:04

bring today to fruition.

24:08

>> Hello my name is Dan Malloy. I'm the chancellor of

24:13

the university of Maine system.

24:17

I am with you today to mark this tremendous occasion in which we

24:20

celebrate the beginning of the building of the new engineering

24:23

center. I want to thank the Ferlands for their generous

24:27

support of this project.

24:30

And I want to thank over 500 additional individual and

24:32

corporate donors who have made this day possible. Thank you

24:36

for what you're allowing us to do at the university of Maine

24:39

system and the University of Maine in particular.

24:44

We will now be in a position to meet the needs that Maine has

24:46

for engineers. And to make sure that we're providing that human

24:50

capital to our future development.

24:55

>> The need for this

24:59

project was demonstrated by the record 170 companies at our 2019

25:01

engineering career fair in Orono. These companies

25:08

exceeded against each other to hire talented U Maine students

25:11

for internships and full-time careers. I offer my thanks to

25:14

governor Janet Mills, former governor

25:19

, Paula Paige, current and former Maine legislators who

25:20

were united in approval the \$50 million appropriation for debt

25:24

service.

25:26

I also give my thanks

25:29

to former U-Maine vice president for

25:32

finance Janet

25:35

Waldron who commissioned an early

25:39

study that was the genesis for this project. As soon as it was

25:41

completed. Dean's advisory council made the first donation

25:44

for the project.

25:48

I am grateful for the council's tireless advocate throughout

25:48

this project.

25:51

I am also grateful for the advocacy team, John Liz neck,

25:57

whod isly passed away last week. Samantha

26:02

Warren, Susan J hunter,

26:05

as well as the honorable Karl turner

26:09

, chair James Erwin, and all members of the university of

26:10

Maine system, Board of Trustees, chancellor emeritus, James

26:15

Paige, chancellor Dan Malloy, and president Joan Ferrini-Mundy

26:19

for prioritizing this project.

26:25

The Ferland Engineering education and design center will

26:27

be the focal point for engineering education at the

26:28

university of Maine. I expect that every engineering student

26:34

will be in the building at least once a day, be it for class, a

26:38

laboratory session, to build their senior Capstone project,

26:39

to seek extra help for one of their Professors, use one of the

26:45

12 team meeting rooms, or to have a cup of coffee in the

26:48

student commons.

26:52

Design of this amazing building was led

26:56

by a partnership between WBRC,

26:59

architect engineers in Bangor, and Ellenzweig in Boston. The

27:02

principal

27:06

in charge of this project was Ray

27:11

Bas Ibwick, one of my former students. At the earliest

27:17

opportunity, I plan to induct the

27:21

lead architects for the project Chris

27:25

Carwahl at WBRC, as members of the Francis-CEO society. Chris

27:28

and Michael along with their colleagues have done an

27:31

outstanding job on design of the Ferland Engineering education

27:37

and design center. >> Thank you and

27:40

congratulations to the university of Maine. I'm

27:44

Douglas Whitney, President and CEO of WBRC architects &

27:47

engineers. On behalf of

27:51

WBRC, and our design partners, Ellenzweig we are proud and

27:53

honored to be selected as the architects & engineers for this

27:57

project. Here's a look into the design process.

28:03

What does it take to design a

28:08

multi-faceted building like Ferland Engineering Education &

28:09

Design Center? It takes a team. When the WBRC and Ellenzweig

28:18

design team came on board U-Maine had done extensive leg

28:19

work on this project. There were still many decisions to

28:23

make. Fortunately, Ellenzweig is one of the country's leading

28:28

architects for science technology buildings on

28:29

university campuses.

28:32

And it helps that WBRC has been working on the university of

28:34

Maine campus for over a century. And most of the

28:39

project engineers are U-Maine graduates.

28:43

Our design process started with a physically workshop.

28:46

Team members toured other campuses and met with nearly 30

28:52

stakeholder and user groups. One challenge fitting a 100,000

28:55

square foot building on to an established campus. Site

28:59

selection involved many factors. Like view corridors, pedestrians

29:05

circulation, utilities, sun exposure

29:09

, the building facade needed to look towards

29:12

the future, yet also harmonize with neighboring buildings.

29:15

For visitors the Ferland center experience begins at the

29:19

welcome center, with its flexible theater style

29:22

presentation area. Perspective students can walk down Main

29:26

Street. Look into working labs and classrooms and get a glimpse

29:30

into the learning process.

29:33

The two-story commons provides a place for students and faculty

29:35

to relax. Get a bite to eat. Prepare for class, and share

29:39

ideas across disciplines. The team focused on stretching the

29:45

verticality of this building. They used extensive skylighting,

29:48

and open stairwells to expand sight lines, along with

29:52

materials like steel mesh and exposed beams.

29:55

Instead of hiding the infrastructure this building

29:59

highlights it. Natural light is abundant throughout. You can

30:02

see the sky on every level. And look outside from virtually

30:07

anywhere. The Ferland center will advance 21st century

30:12

learning by fostering collaboration and active

30:15

problem-solving, every lab and active learning classroom is

30:18

hands-on and flexible with full technology integration.

30:22

Ferland Engineering education and design center is about

30:27

inspiring creativity. Building skills and

30:31

confidence, and ultimately about sending forth U-Maine graduates

30:33

who will make the world a better place. From all of us on the

30:38

design team. Thank you university of Maine for trusting

30:41

us

30:45

with this once in a lifetime project.

30:59

>> I thank the team at WBRC and Ellenzweig for putting

31:05

together that wonderful video. The construction documents have

31:07

now been passed to the builders. Matt

31:13

Tenello director of operations for Consigli Maine,

31:17

will offer a virtual fly-through of the Ferland

31:17

Engineering Education & Design Center construction phases. And

31:22

by the way I also had Matt in class.

31:25

Hi

31:29

I'm Matthew Te

31:33

Anello, a 1994 graduate of the civil engineering program at the

31:35

university of Maine. I would like to first thank Dr. Susan

31:38

hunter, president Joan Ferrini-Mundy, and

31:43

Dana Humphrey for all of the energy they have put in for

31:45

making this project a reality. We at Consigli are proud to be

31:50

participating during the construction phase. We built

31:53

this project digitally, on paper , we've estimated it and

31:55

scheduled it. You're going to see in a moment a fly-through

31:59

video of the construction phase operations in what we call a 4D

32:02

innovation. That means we're taking the 3D model produced by

32:06

the design team, and putting a fourth dimension of time into

32:09

showing how the project will progress through the

32:12

construction phase.

32:14

What an incredible opportunity this project is going to be for

32:18

future engineering students and everybody at the University of

32:20

Maine. I'm proud to say that Consigli has benefited from all

32:24

the great learning that has gone on here as an institution.

32:28

We've had many U Maine grads working during the

32:31

pre-construction phase all of whom are going to continue on

32:35

through the construction work.

32:38

We've had people like Jeff P.

32:42

, our chief estimator. Butter K., our senior project manager,

32:49

this project is providing an incredible opportunity to the

32:52

sub-contractor base and for all of the construction firms

32:55

located around the Orono area. We will be bringing in

32:58

subcontractors throughout the State of Maine to participate in

33:01

constructing this building. Many of our

33:06

subs have graduates from the U-Maine engineering and

33:07

corruption management programs. We at Consigli have 15

33:12

University of Maine grads in all of our offices across New

33:15

England, and DC. Thank you to all of the donors who have

33:19

contributed to making this project real. Thank you to the

33:21

engineering students who have put effort into planning, and

33:23

working on this project. And where VII I want to thank all of

33:27

the sub-contractors who will be working with collaboratively to

33:31

build this incredible opportunity for the university

33:34

of Maine.

33:36

>> I would like to thank the team at U-Maine facilities management

33:38

including Walter

33:42

Shannon, Carol McDonna, Josh Burke, and Stuart Harvey whose

33:46

tireless efforts have been essential to

33:49

keeping this project moving forward and ensuring that

33:51

U-Maine will have a top-quality building that will last for

33:55

generations.

33:57

I would also like to acknowledge Monique H.

34:02

at the humane foundation, and Sam H from black bear flecks for

34:04

making this virtual dedication possible. Now it's time to

34:08

break some ground. Let's move out to the building site.

34:12

>> And now through the magic of technology and following all

34:17

social distancing protocols, we are ready to do

34:21

the ceremonial groundbreaking. Does everyone have their shovels

34:23

ready? Okay, let's proceed to officially break ground for the

34:27

Ferland Engineering educational design center at the University

34:30

of Maine. On a count of 3.

34:35

1, 2, 3 -- it's official. We have broken ground on the

34:41

largest capital project in U-

34:45

Maine's history, thank you everyone.

34:50

>> Thank you for joining us for this virtual

34:56

ground-breaking for the Ferland Engineering Education & Design

34:58

Center we would like to acknowledge our sponsors, WBRCx

35:03

architects & engineers. Ellenzweig,

35:07

Consigli, sea bags, I look forward to seeing you all in

35:10

person at the dedication ceremony in 2022. We will close

35:14

with

35:17

the Maine continue song.

35:27

(music playing).