



1
00:00:00,506 --> 00:00:06,186
[Music]

2
00:00:06,686 --> 00:00:09,196
>> I started off my
career back in 1983 coming

3
00:00:09,196 --> 00:00:12,086
out of the University of
Pittsburg and did research

4
00:00:12,086 --> 00:00:14,406
in the Icing Research
Tunnel doing development

5
00:00:14,406 --> 00:00:18,006
of software codes and testing
and have had the opportunity now

6
00:00:18,056 --> 00:00:21,336
to lead the Technology
Transfer Office where our goal

7
00:00:21,336 --> 00:00:23,566
and mission is to really push
our technology and share it

8
00:00:23,566 --> 00:00:25,526
with as many different
businesses and individuals.

9
00:00:25,806 --> 00:00:29,306
NASA Glenn, located next to the
Cleveland Airport, has had a lot

10
00:00:29,306 --> 00:00:30,656
of impact on a lot of areas.

11
00:00:31,056 --> 00:00:32,706

For instance, we've
worked very closely

12

00:00:32,706 --> 00:00:34,086
with the engine manufacturers

13

00:00:34,446 --> 00:00:36,716
to literally impact every
airplane that you fly on.

14

00:00:37,296 --> 00:00:39,486
We've worked very closely
with them to make sure

15

00:00:39,486 --> 00:00:42,176
that engines run
quieter, use less fuel,

16

00:00:42,506 --> 00:00:44,796
and the fuel has less
impact on the environment.

17

00:00:45,216 --> 00:00:48,106
So NASA Glenn works in both the
aeronautics areas, you know,

18

00:00:48,106 --> 00:00:50,356
in terms of airplanes
and things that fly,

19

00:00:50,356 --> 00:00:52,216
as well as things
that go into space.

20

00:00:52,396 --> 00:00:55,346
We develop sensors that work in
that harsh environment of space.

21

00:00:55,966 --> 00:00:58,566
The harsh environment can

be very hot, very cold,

22

00:00:58,886 --> 00:01:00,446
and contain lots
of funny chemicals.

23

00:01:00,796 --> 00:01:02,596
We were able to use
that technology

24

00:01:02,996 --> 00:01:04,526
to help a local company.

25

00:01:04,636 --> 00:01:06,996
That company, Pile
Dynamics, had a problem

26

00:01:06,996 --> 00:01:10,516
with mounting their sensors
in the cement as it cured.

27

00:01:11,096 --> 00:01:13,896
NASA Glenn engineers were
able to use their expertise

28

00:01:14,356 --> 00:01:16,896
and solve their problem
that allowed that company

29

00:01:16,896 --> 00:01:19,896
to successfully build the
bridge that we all travel on,

30

00:01:20,326 --> 00:01:22,946
as well as develop a new
product line for their company.

31

00:01:23,886 --> 00:01:26,346
So those sensors that
we developed and use

32

00:01:26,346 --> 00:01:29,366
in numerous different
applications have benefited us

33

00:01:29,366 --> 00:01:33,666
all, for instance, in our fire
detectors; our smoke detectors,

34

00:01:33,796 --> 00:01:36,656
our cell phones; for
instance, if you've ever been

35

00:01:36,656 --> 00:01:38,696
in a hospital, for
patient monitoring;

36

00:01:39,156 --> 00:01:44,046
or for some really elite
tracking of athletes and some

37

00:01:44,046 --> 00:01:45,466
of that fitness equipment
that they use.

38

00:01:45,876 --> 00:01:46,956
As it says on our front gate,

39

00:01:46,986 --> 00:01:48,256
we're here for the
benefit of all.

40

00:01:48,596 --> 00:01:51,926
We have NASA technology, NASA
software, NASA expertise,

41

00:01:52,126 --> 00:01:55,086
world-class facilities
available for anybody's need.

42

00:01:55,806 --> 00:01:59,176

So if you have a challenge,
go to [technology.NASA.gov](http://technology.nasa.gov),

43

00:01:59,746 --> 00:02:03,566

look for a solution or a point
of contact and reach out to us,