



1
00:00:04,710 --> 00:00:02,629
this year's nominees represent five

2
00:00:07,190 --> 00:00:04,720
innovations which are producing

3
00:00:09,110 --> 00:00:07,200
measurable results that truly change the

4
00:00:11,910 --> 00:00:09,120
way people work and live

5
00:00:15,030 --> 00:00:11,920
please congratulate the 2006 accenture

6
00:00:17,029 --> 00:00:15,040
economic development award laureates

7
00:00:19,189 --> 00:00:17,039
the tech museum of innovation in san

8
00:00:22,550 --> 00:00:19,199
jose california held their annual tech

9
00:00:24,550 --> 00:00:22,560
awards ceremony in november of 2006.

10
00:00:26,230 --> 00:00:24,560
honorees included recipients such as

11
00:00:28,630 --> 00:00:26,240
bill gates

12
00:00:30,550 --> 00:00:28,640
a nasa technology partnership called the

13
00:00:32,950 --> 00:00:30,560

global connection project

14

00:00:34,389 --> 00:00:32,960

received a prestigious tech award at the

15

00:00:37,110 --> 00:00:34,399

event

16

00:00:39,030 --> 00:00:37,120

the tech museum award is an award that's

17

00:00:40,630 --> 00:00:39,040

given each year for technology that

18

00:00:42,470 --> 00:00:40,640

benefits humanity

19

00:00:44,229 --> 00:00:42,480

and global connection is receiving this

20

00:00:46,630 --> 00:00:44,239

because of the work we did in the

21

00:00:49,350 --> 00:00:46,640

aftermath of hurricanes katrina rita and

22

00:00:52,389 --> 00:00:49,360

the pakistan earthquake so using google

23

00:00:55,510 --> 00:00:52,399

earth and the overlays that we generated

24

00:00:57,590 --> 00:00:55,520

from noaa aerial photography and from

25

00:01:00,470 --> 00:00:57,600

digital globe satellite photography

26
00:01:01,270 --> 00:01:00,480
rescuers were able to zoom in and look

27
00:01:05,030 --> 00:01:01,280
at

28
00:01:07,670 --> 00:01:05,040
disasters so in the case of hurricane

29
00:01:09,429 --> 00:01:07,680
katrina you could actually zoom in

30
00:01:12,070 --> 00:01:09,439
and take a look at

31
00:01:14,070 --> 00:01:12,080
houses that were partly underwater or

32
00:01:15,830 --> 00:01:14,080
where the levees had broken

33
00:01:17,190 --> 00:01:15,840
the inspiration for global connection

34
00:01:19,270 --> 00:01:17,200
came from when we first saw these

35
00:01:21,910 --> 00:01:19,280
beautiful panoramic images taken by the

36
00:01:23,749 --> 00:01:21,920
mars exploration rover these images were

37
00:01:25,270 --> 00:01:23,759
so wonderfully detailed that they

38
00:01:27,830 --> 00:01:25,280

allowed us to fly through and explore

39

00:01:29,429 --> 00:01:27,840

mars and we said to ourselves hey maybe

40

00:01:31,510 --> 00:01:29,439

we can do the same sort of thing here on

41

00:01:34,069 --> 00:01:31,520

earth maybe we can create hardware and

42

00:01:35,990 --> 00:01:34,079

software to allow anybody to remotely

43

00:01:37,749 --> 00:01:36,000

explore the earth

44

00:01:39,590 --> 00:01:37,759

the inspiration here was trying to find

45

00:01:41,350 --> 00:01:39,600

a way of connecting

46

00:01:43,510 --> 00:01:41,360

stories and really great imagery from

47

00:01:45,749 --> 00:01:43,520

national geographic with google being

48

00:01:47,670 --> 00:01:45,759

able to place these wonderful stories

49

00:01:49,429 --> 00:01:47,680

these high-resolution aerial images into

50

00:01:52,069 --> 00:01:49,439

google earth so people can understand

51
00:01:53,910 --> 00:01:52,079
better what national geographic has done

52
00:01:55,830 --> 00:01:53,920
a new layer has been created on google

53
00:01:58,310 --> 00:01:55,840
earth and when you activate that layer

54
00:02:00,230 --> 00:01:58,320
by switching it on and you zoom down you

55
00:02:02,630 --> 00:02:00,240
have these nice yellow rectangles with

56
00:02:04,149 --> 00:02:02,640
the national geographic logo popping up

57
00:02:06,149 --> 00:02:04,159
when someone clicks on one of the

58
00:02:07,749 --> 00:02:06,159
bubbles people could go straight to

59
00:02:09,749 --> 00:02:07,759
national geographic's website by

60
00:02:11,750 --> 00:02:09,759
following different links and study it

61
00:02:13,350 --> 00:02:11,760
in detail

62
00:02:14,470 --> 00:02:13,360
people will learn a lot more about

63
00:02:16,470 --> 00:02:14,480

region

64

00:02:18,949 --> 00:02:16,480

and will be able to take that experience

65

00:02:20,869 --> 00:02:18,959

with them in a more profound way

66

00:02:23,350 --> 00:02:20,879

what we'd like to do now is place even

67

00:02:25,110 --> 00:02:23,360

higher resolution content into google

68

00:02:27,110 --> 00:02:25,120

earth and gigapan is the way we're doing

69

00:02:28,630 --> 00:02:27,120

that gigapan gives us the ability to

70

00:02:30,309 --> 00:02:28,640

take gigapixel

71

00:02:32,949 --> 00:02:30,319

images so panoramas with more than a

72

00:02:34,790 --> 00:02:32,959

billion pixels to allow people to really

73

00:02:36,869 --> 00:02:34,800

fly through and explore and learn about

74

00:02:38,390 --> 00:02:36,879

the remote world simply using images

75

00:02:40,949 --> 00:02:38,400

that we've captured with a consumer

76

00:02:42,630 --> 00:02:40,959

digital camera

77

00:02:44,869 --> 00:02:42,640

you just set up the two corners of your

78

00:02:46,790 --> 00:02:44,879

panorama and press go and

79

00:02:49,990 --> 00:02:46,800

the device does everything for you so

80

00:02:52,790 --> 00:02:50,000

taking a 400 picture stitched panorama

81

00:02:55,190 --> 00:02:52,800

is as easy as taking two pictures with

82

00:02:56,470 --> 00:02:55,200

this device

83

00:02:59,350 --> 00:02:56,480

part of what we

84

00:03:01,990 --> 00:02:59,360

use in gigapan is a software tool called

85

00:03:03,750 --> 00:03:02,000

the nasa vision workbench and we use

86

00:03:06,149 --> 00:03:03,760

this for creating high resolution

87

00:03:08,470 --> 00:03:06,159

gigapixel panoramas stitching together

88

00:03:10,470 --> 00:03:08,480

hundreds of images into a single

89

00:03:11,509 --> 00:03:10,480

explorable panorama

90

00:03:13,430 --> 00:03:11,519

we're going to be doing a lot of

91

00:03:15,509 --> 00:03:13,440

panorama hosting and streaming and we

92

00:03:18,149 --> 00:03:15,519

like to create ways for people to

93

00:03:20,309 --> 00:03:18,159

exchange their panoramas we hope by

94

00:03:22,470 --> 00:03:20,319

creating this content by having this one

95

00:03:24,149 --> 00:03:22,480

repository where people can really

96

00:03:25,830 --> 00:03:24,159

put their panoramas that will create a

97

00:03:27,430 --> 00:03:25,840

means for people to explore other

98

00:03:29,589 --> 00:03:27,440

people's lives and other people's

99

00:03:31,910 --> 00:03:29,599

existences go to places they've never

100

00:03:33,910 --> 00:03:31,920

been before go to places they may never

101
00:03:34,710 --> 00:03:33,920
be able to go to

102
00:03:36,149 --> 00:03:34,720
working with these different

103
00:03:37,670 --> 00:03:36,159
organizations has been a wonderful

104
00:03:39,750 --> 00:03:37,680
experience for us it's given us the

105
00:03:41,750 --> 00:03:39,760
ability to to interact with people

106
00:03:43,750 --> 00:03:41,760
national geographic conservationists

107
00:03:45,910 --> 00:03:43,760
that are going out trying to enlighten

108
00:03:48,070 --> 00:03:45,920
people about things that exist in africa

109
00:03:50,070 --> 00:03:48,080
working with carnegie mellon has allowed

110
00:03:51,589 --> 00:03:50,080
us to bring in students get them excited

111
00:03:53,350 --> 00:03:51,599
about the world around us get them

112
00:03:55,030 --> 00:03:53,360
excited about science and engineering

113
00:03:56,630 --> 00:03:55,040

working with google has been fabulous

114

00:03:57,910 --> 00:03:56,640

because we're able to work with an

115

00:03:59,750 --> 00:03:57,920

organization that's changing

116

00:04:01,190 --> 00:03:59,760

fundamentally the way we view

117

00:04:03,910 --> 00:04:01,200

information and think about the world

118

00:04:06,550 --> 00:04:03,920

around us the global connection project

119

00:04:09,509 --> 00:04:06,560

is currently working to develop images

120

00:04:11,429 --> 00:04:09,519

3d models and other content of earth

121

00:04:13,429 --> 00:04:11,439

moon and mars

122

00:04:15,990 --> 00:04:13,439

other developments include a website

123

00:04:18,150 --> 00:04:16,000

resource for gigapan users

124

00:04:21,990 --> 00:04:18,160

the new website is ready for users to