



1  
00:00:56,560 --> 00:00:53,439  
a independent oil field services company

2  
00:00:59,680 --> 00:00:56,570  
Louisiana Paul de mi has developed this

3  
00:01:01,590 --> 00:00:59,690  
download video la allocate obstructions

4  
00:01:03,990 --> 00:01:01,600  
in

5  
00:01:05,990 --> 00:01:04,000  
essentially a small camera and right

6  
00:01:13,300 --> 00:01:06,000  
combination

7  
00:01:18,980 --> 00:01:15,860  
computer scientists at NASA's Stennis

8  
00:01:21,050 --> 00:01:18,990  
Space Center are working with DMI in

9  
00:01:24,050 --> 00:01:21,060  
developing a software package for the

10  
00:01:27,680 --> 00:01:24,060  
down hole longer it makes significant

11  
00:01:30,050 --> 00:01:27,690  
features easier to see Brown Cobb is

12  
00:01:33,110 --> 00:01:30,060  
president of DMI we're taking this

13  
00:01:34,550 --> 00:01:33,120

technology outer space program and we're

14

00:01:35,990 --> 00:01:34,560

getting them back into the hands of the

15

00:01:39,380 --> 00:01:36,000

other people they can take this

16

00:01:41,600 --> 00:01:39,390

technology create jobs create worth and

17

00:01:43,880 --> 00:01:41,610

create a better standard living the same

18

00:01:46,580 --> 00:01:43,890

space technology giving a boost to the

19

00:01:48,950 --> 00:01:46,590

oil industry is also assisting in the

20

00:01:50,960 --> 00:01:48,960

care of the unseen heart beating nearly

21

00:01:53,930 --> 00:01:50,970

everyone who has had a child as this

22

00:01:56,210 --> 00:01:53,940

country has also had an ultrasound a

23

00:01:57,980 --> 00:01:56,220

procedure that makes it possible to view

24

00:01:59,450 --> 00:01:57,990

a baby in the mother's womb it was a

25

00:02:02,540 --> 00:01:59,460

girl list but these black-and-white

26

00:02:05,030 --> 00:02:02,550

images are often noisy or fuss so

27

00:02:07,010 --> 00:02:05,040

there's no point dr. Jason Collins and

28

00:02:09,740 --> 00:02:07,020

obstetrician recognized these

29

00:02:12,020 --> 00:02:09,750

limitations he brought some of his

30

00:02:13,699 --> 00:02:12,030

ultrasound views to NASA Stennis Space

31

00:02:16,130 --> 00:02:13,709

Center which we're coming through

32

00:02:19,010 --> 00:02:16,140

Sciences Deborah's satellite processing

33

00:02:21,229 --> 00:02:19,020

technology that enhances to do terms and

34

00:02:23,479 --> 00:02:21,239

reduces eliminating the noise and making

35

00:02:27,260 --> 00:02:23,489

eventually extract drama Boyka hinged

36

00:02:30,590 --> 00:02:27,270

umbilical cord easier to detect we may

37

00:02:33,350 --> 00:02:30,600

actually improve a condition with the

38

00:02:55,819 --> 00:02:33,360

help of NASA that up until now hasn't

39

00:03:01,470 --> 00:02:58,830

from a distance the oil industry of this

40

00:03:03,930 --> 00:03:01,480

country might appear strong it's rigs

41

00:03:06,600 --> 00:03:03,940

like small islands starting the surface

42

00:03:09,330 --> 00:03:06,610

of the Gulf of Mexico but those in the

43

00:03:11,910 --> 00:03:09,340

business have a different perspective we

44

00:03:14,039 --> 00:03:11,920

have lost five hundred thousand jobs in

45

00:03:16,410 --> 00:03:14,049

the oil industry and what has happened

46

00:03:18,119 --> 00:03:16,420

even more critical than that is the fact

47

00:03:19,710 --> 00:03:18,129

that young people are not coming to the

48

00:03:23,220 --> 00:03:19,720

industry the scared of the industry

49

00:03:25,559 --> 00:03:23,230

brown tom is president of DMI a leading

50

00:03:28,410 --> 00:03:25,569

independent oil field services company

51  
00:03:37,950 --> 00:03:28,420  
in Louisiana although its clients are

52  
00:03:37,960 --> 00:03:41,800  
determining in a source

53  
00:03:46,890 --> 00:03:44,100  
seem to refer

54  
00:03:49,920 --> 00:03:46,900  
as a working on a standard work over

55  
00:03:52,140 --> 00:03:49,930  
will run you 150 thousand dollars so yes

56  
00:03:54,810 --> 00:03:52,150  
been on 50 thousand dollars to go out

57  
00:03:58,990 --> 00:03:54,820  
look down old to see what the problem is

58  
00:03:59,000 --> 00:04:03,059  
essentially a small camera

59  
00:04:07,730 --> 00:04:05,890  
me Lord almost three miles in

60  
00:04:10,510 --> 00:04:07,740  
providing a far more

61  
00:04:13,690 --> 00:04:10,520  
wait to see what's in hitting

62  
00:04:16,330 --> 00:04:13,700  
with this camera we can go down hole and

63  
00:04:18,340 --> 00:04:16,340

do it for about ten thousand dollars one

64

00:04:20,530 --> 00:04:18,350  
of the challenges DMI faced and

65

00:04:22,720 --> 00:04:20,540  
marketing this new product was the

66

00:04:24,390 --> 00:04:22,730  
quality of the image is produced in such

67

00:04:26,689 --> 00:04:24,400  
a dark environment

68

00:04:29,790 --> 00:04:26,699  
looking for a way to enhance their video

69

00:04:32,249 --> 00:04:29,800  
accompanied seneschal Rick Gail head of

70

00:04:35,129 --> 00:04:32,259  
the technology transfer office at NASA's

71

00:04:37,170 --> 00:04:35,139  
Stennis Space Center jail presented

72

00:04:39,719 --> 00:04:37,180  
their problem to computer scientists

73

00:04:43,290 --> 00:04:39,729  
it's flying upon technology used to

74

00:04:45,360 --> 00:04:43,300  
process satellite imagery they were DMI

75

00:04:47,820 --> 00:04:45,370  
developing a software package that

76  
00:04:50,520 --> 00:04:47,830  
captures individual frames of the middle

77  
00:04:53,460 --> 00:04:50,530  
option and manipulates them to bring out

78  
00:04:55,650 --> 00:04:53,470  
significant future cases the system is

79  
00:04:58,080 --> 00:04:55,660  
currently being like a fantastic we're

80  
00:05:00,029 --> 00:04:58,090  
taking this technology outer space

81  
00:05:01,680 --> 00:05:00,039  
program and we're getting them back into

82  
00:05:04,800 --> 00:05:01,690  
the hands of the other people they can

83  
00:05:06,629 --> 00:05:04,810  
take this technology create jobs create

84  
00:05:08,700 --> 00:05:06,639  
Worth and create a better standing

85  
00:05:11,550 --> 00:05:08,710  
living not only for us before the whole

86  
00:05:15,610 --> 00:05:11,560  
world America has to lead and we're

87  
00:05:21,250 --> 00:05:18,250  
the same space technology giving a boost

88  
00:05:23,740 --> 00:05:21,260

to the oil industry is also assisting in

89

00:05:25,689 --> 00:05:23,750

the care of the sea tomorrow the theater

90

00:05:28,540 --> 00:05:25,699

every woman who has had a child in this

91

00:05:30,939 --> 00:05:28,550

theory has also had an ultrasound a

92

00:05:33,070 --> 00:05:30,949

procedure that makes it possible to view

93

00:05:35,650 --> 00:05:33,080

a baby in the mother's womb there's a

94

00:05:37,980 --> 00:05:35,660

girl with these black and white like

95

00:05:41,439 --> 00:05:37,990

those things by their minds video lawyer

96

00:05:43,510 --> 00:05:41,449

are often noisy or fuzzy though there's

97

00:05:45,850 --> 00:05:43,520

no point dr. Jason Collins and

98

00:05:48,490 --> 00:05:45,860

obstetrician recognize these limitations

99

00:05:51,010 --> 00:05:48,500

absolve particularly trying to deter

100

00:05:53,230 --> 00:05:51,020

this is the ability going around the

101  
00:05:55,600 --> 00:05:53,240  
baby's as he demonstrates he right here

102  
00:05:57,730 --> 00:05:55,610  
this I'm sure you got any sense the

103  
00:05:59,560 --> 00:05:57,740  
Ramadan it is on cutting off criticals

104  
00:06:01,779 --> 00:05:59,570  
coming around this way and potentially

105  
00:06:05,560 --> 00:06:01,789  
cause were down to his belly bag right

106  
00:06:08,290 --> 00:06:05,570  
here we believe through our studies that

107  
00:06:11,890 --> 00:06:08,300  
as many as eight thousand babies a year

108  
00:06:14,050 --> 00:06:11,900  
in the United States may be impacted by

109  
00:06:16,180 --> 00:06:14,060  
a court accident and it's the one thing

110  
00:06:18,640 --> 00:06:16,190  
that can sneak up on you and turn a

111  
00:06:20,890 --> 00:06:18,650  
beautiful pregnancy into a tragedy the

112  
00:06:23,920 --> 00:06:20,900  
baby moving boundary visibility and

113  
00:06:25,540 --> 00:06:23,930

detect old behavior on the contrast of

114

00:06:27,940 --> 00:06:25,550

such myths of yourself getting what

115

00:06:29,589 --> 00:06:27,950

resistance miss and we end up with the

116

00:06:33,520 --> 00:06:29,599

second hitter who's but in tired about

117

00:06:36,310 --> 00:06:33,530

your scientists quite well first so that

118

00:06:38,200 --> 00:06:36,320

is he is convex adapted sunlight term

119

00:06:40,240 --> 00:06:38,210

technology eliminating the oars is

120

00:06:42,190 --> 00:06:40,250

caught making as a clear sponsor on the

121

00:06:44,980 --> 00:06:42,200

photograph making umbilical cord

122

00:06:48,310 --> 00:06:44,990

problems easier to detect we may

123

00:06:50,860 --> 00:06:48,320

actually improve a condition with the