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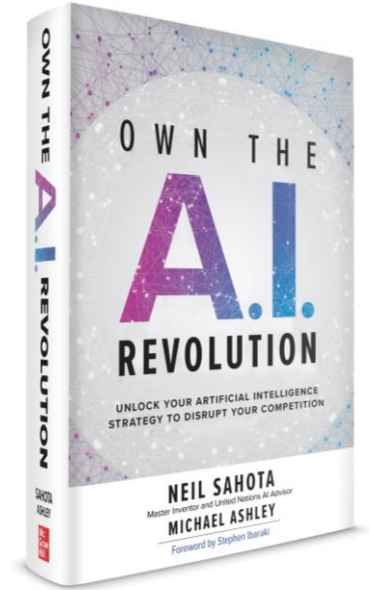
Neil Sahota (萨冠军)

11/20/2019

@neil\_Sahota

<https://neilsahota.com>

# AI for Good: How AI Amplifies Our Social Impact



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Welcome to reality...



*<https://www.youtube.com/watch?v=APBJInPIXSc>cial intelligence*  
*This hilarious sci-fi film was written by artifi*



# AI Defined

**käg-nə-tiv** (*adjective*): of, relating to, or involving conscious mental activities (such as thinking, understanding, learning, and remembering)



▪ Learning and building knowledge

- Machine Learning → Deep Learning



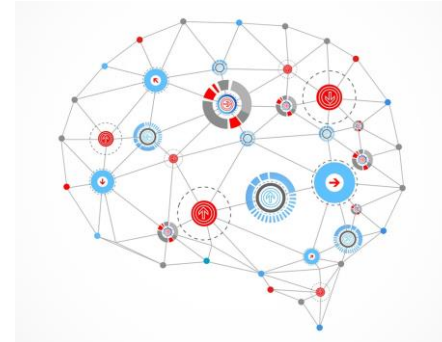
▪ Understanding natural language and

- Concepts & Sentiment



▪ Interacting more naturally with humans than traditional programmable systems

- Artificial Empath





What happens when you bring a dog to a  
tech conference

# AI in Action



More than dancing robots and digital assistants...



Hey Siri

SUPPORT  
HOPE RELIEF FRIENDSHIP  
LOVE GIVE MONEY FOOD  
FRIENDSHIP HUMANITARIAN  
FRIENDSHIP LEISURE HAPPINESS UNITY SUCCESS TEAMWORK  
HUMANITARIAN  
SUCCESS TEAMWORK COOPERATION SOCIETY FROM PEOPLE  
WORK HUMANITARIAN  
LOVE LOVE SUPPORT COMMUNITY  
GIVING  
UNITY LIFE COMMUNITY TOGETHERNESS



**1** NO  
POVERTY



**2** NO  
HUNGER



**3** GOOD  
HEALTH



**4** QUALITY  
EDUCATION



**5** GENDER  
EQUALITY



**6** CLEAN WATER  
AND SANITATION



**7** RENEWABLE  
ENERGY



**8** GOOD JOBS AND  
ECONOMIC GROWTH



**9** INNOVATION AND  
INFRASTRUCTURE



**10** REDUCED  
INEQUALITIES



**11** SUSTAINABLE CITIES  
AND COMMUNITIES



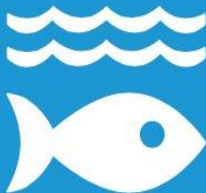
**12** RESPONSIBLE  
CONSUMPTION



**13** CLIMATE  
ACTION



**14** LIFE BELOW  
WATER



**15** LIFE  
ON LAND



**16** PEACE AND  
JUSTICE



**17** PARTNERSHIPS  
FOR THE GOALS



**THE GLOBAL GOALS**  
For Sustainable Development

# ***\$7,000,000,000,000***



Uh oh!



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## Technology to the rescue?





# AI for Good Global Summit

*Accelerating progress  
towards the SDGs*

#AIforGood

In partnership with

XPRIZE





# Seeing.AI

[https://www.youtube.com/watch?v=bqeQByqf\\_f8&feature=youtu.be](https://www.youtube.com/watch?v=bqeQByqf_f8&feature=youtu.be)



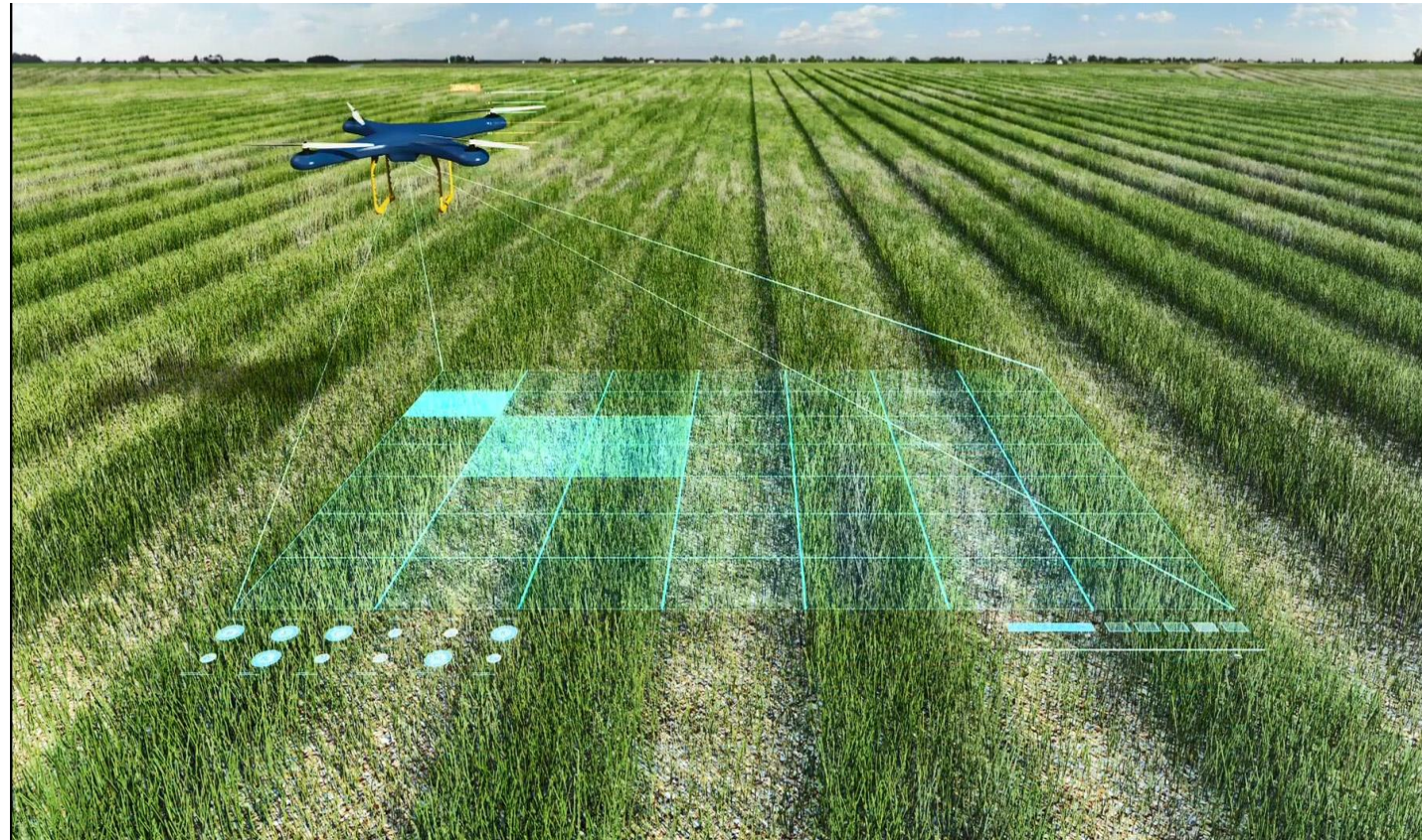
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# Ocean Health = SNOT BOT!



## Innovating for Agribusiness

<https://www.youtube.com/watch?v=C4W0qSQ6A8U>



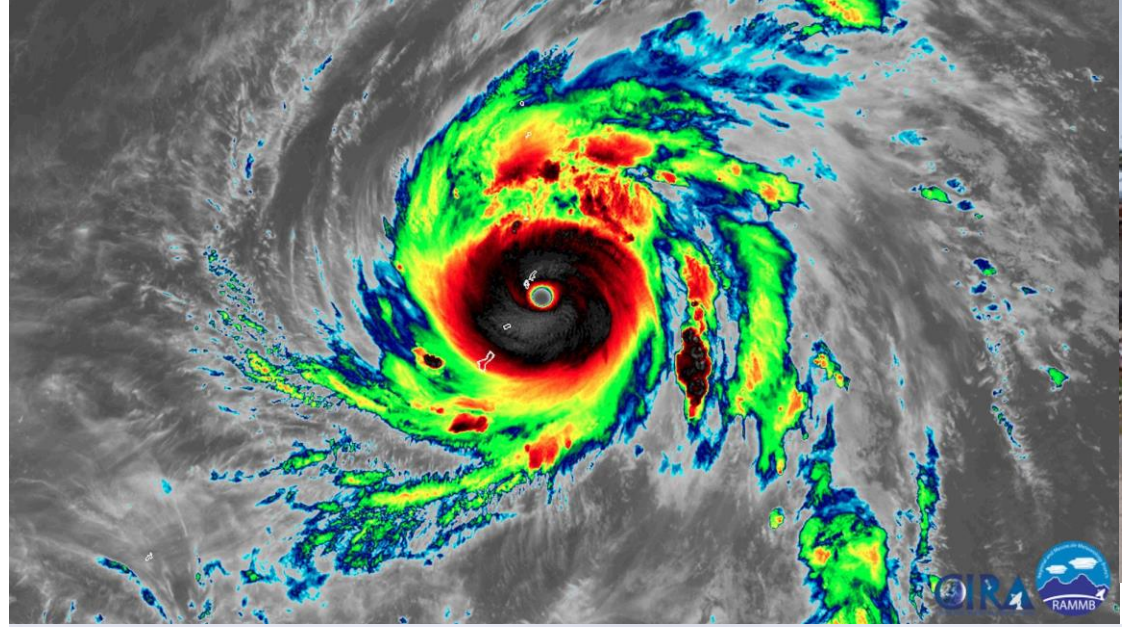
## Advancing Healthcare



[https://www.youtube.com/watch?v= PvTjcl-8a8](https://www.youtube.com/watch?v=PvTjcl-8a8)



# Typhoon Yutu



**PROBLEM**



**Solution  
1**

**Solution  
2**

**Solution  
3**

# Disaster Recovery



Emergency Response



Health



Food & Water



Utilities







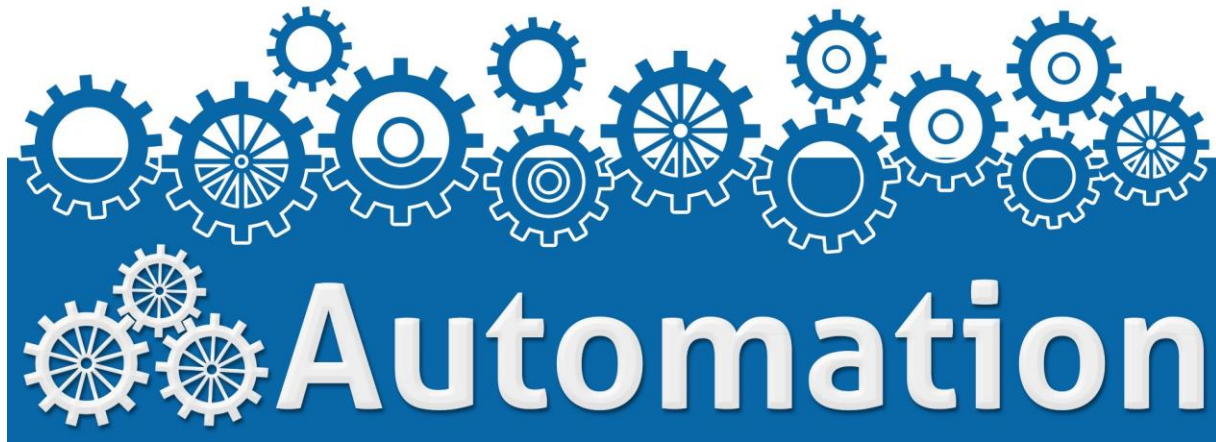
***Unlocks 20-30% of value from AI***



***Unlocks 20-30% of value from AI***



***Can unlock full potential from AI***



***Unlocks 20-30% of value from AI***

Focuses on making the ***process/system*** better by making it faster, cheaper, and/or with less errors.



***Can unlock full potential from AI***

Focuses on ***changing the process/system*** by finding a new way to perform the work.



# AI for Good in Use

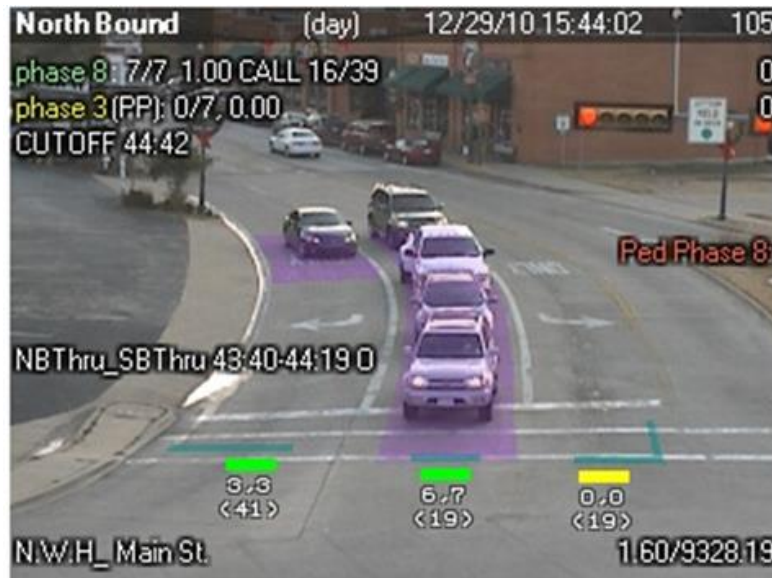


*Allegheny Family Screening Tool*

## African Orphan Crops Consortium Genomics Laboratory



*Opioid Screening*





Task	Start	End	Color
Task 1	0	10	Green
Task 2	0	15	Yellow
Task 3	0	20	Purple
Task 4	0	25	Blue
Task 5	0	30	Magenta
Task 6	0	35	Light Green
Task 7	0	40	Light Blue
Task 8	0	45	Light Purple
Task 9	0	50	Light Green
Task 10	0	55	Light Blue
Task 11	0	60	Light Purple
Task 12	0	65	Light Green
Task 13	0	70	Light Blue
Task 14	0	75	Light Purple
Task 15	0	80	Light Green
Task 16	0	85	Light Blue
Task 17	0	90	Light Purple
Task 18	0	95	Light Green
Task 19	0	100	Light Blue

# Be Cautious

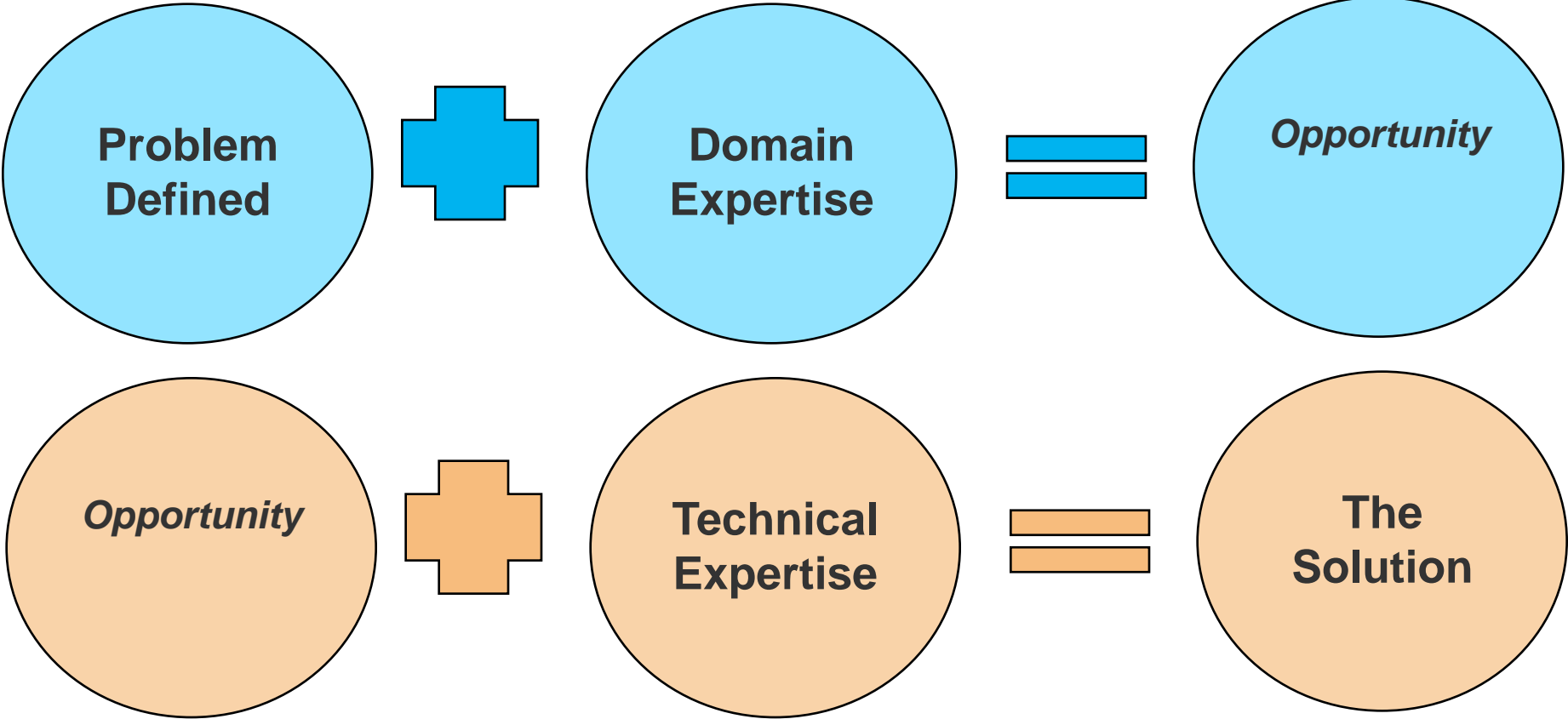


**What people think AI is about**

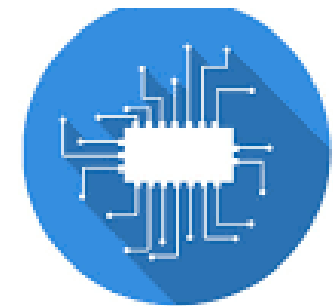


**The reality**

# Neil's Magic Formula



Focus on...



**Artificial Intelligence Training**

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Watch out for...



**BIAS**

A large, red, distressed stamp with the word "BIAS" in bold, uppercase letters. The stamp has a double-line border and a weathered, splattered appearance. It is centered on the page.

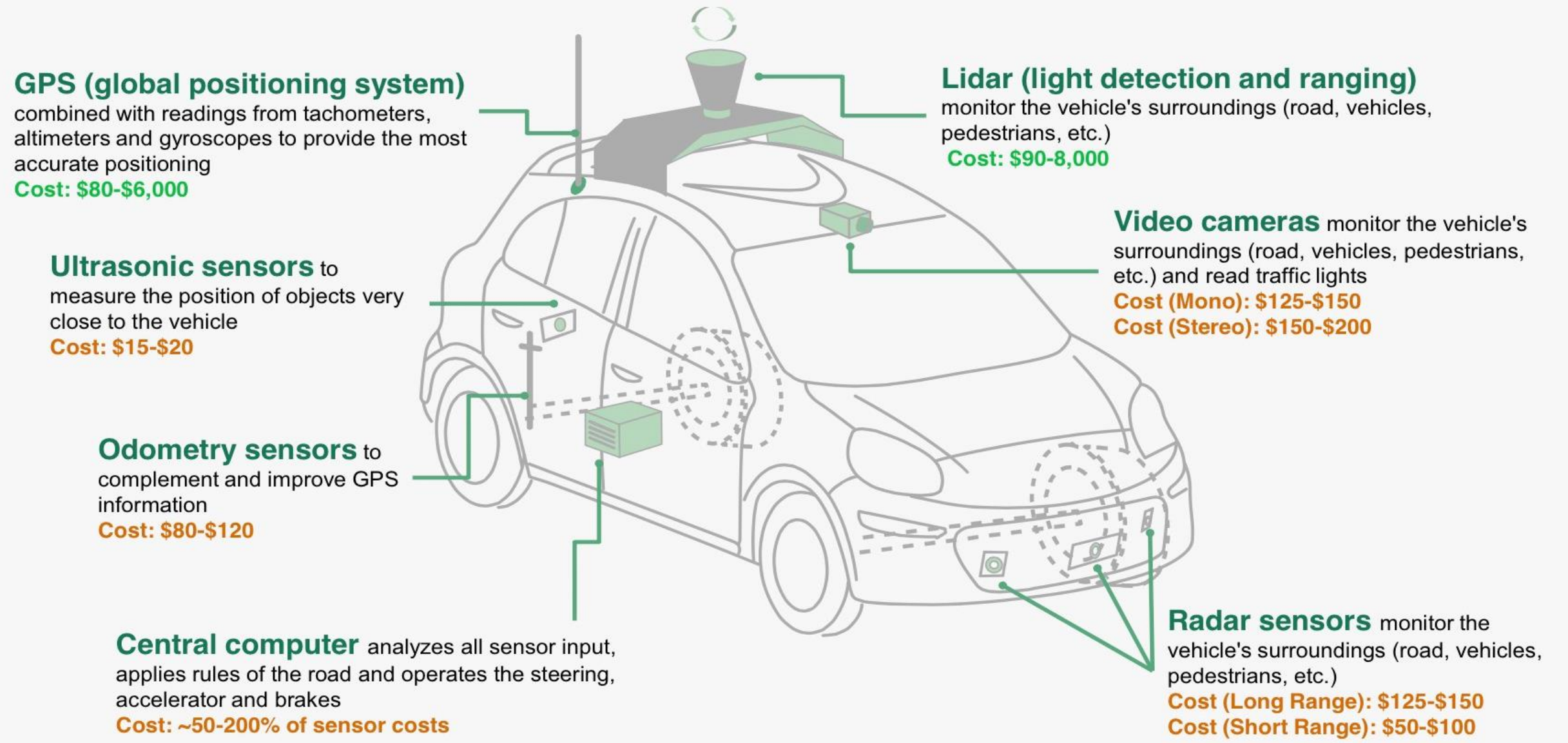


# THINK DIFFERENTLY

Nothing is Different Until You Think Differently

**by James MacDonald**

# Machines Think Differently



# The Mindset



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## Take the Challenge: Transform Today



