



QUALITAS
HEALTH

POWERED BY
alme^{ga}.^{PL}

iwi

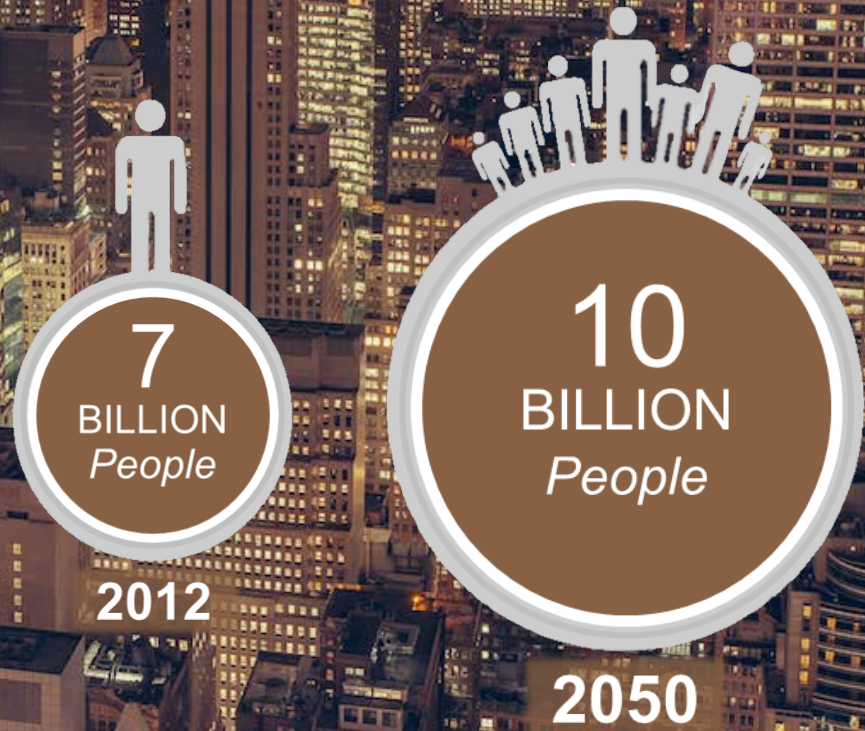


Farming the
Future of Nutrition

Our Opportunity

There is an urgent need for renewable sources of vital nutritional components

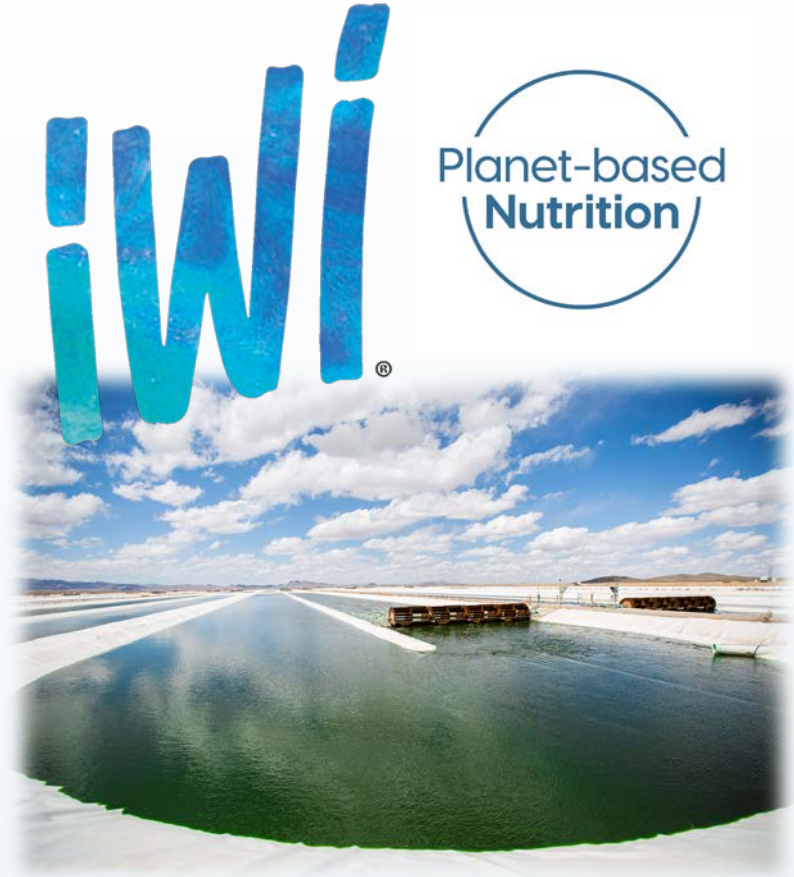
By 2050, the world will need 70% more protein and nutrients



Our Solution

Qualitas Health has developed a proprietary technology platform to launch fully **sustainable, vegan nutritional products** at scale.

- EPA, **omega-3**
- 40% of our biomass is **protein** with well balanced, complete amino acid profile (better than beef, similar to whey)
- Chlorophyll, omega-7, beta-carotene, fiber...



Scaling up the farming process

- Farm model can be implemented many places around the globe
- Demonstration of translation between multiple farms with plenty of capacity for expansion.



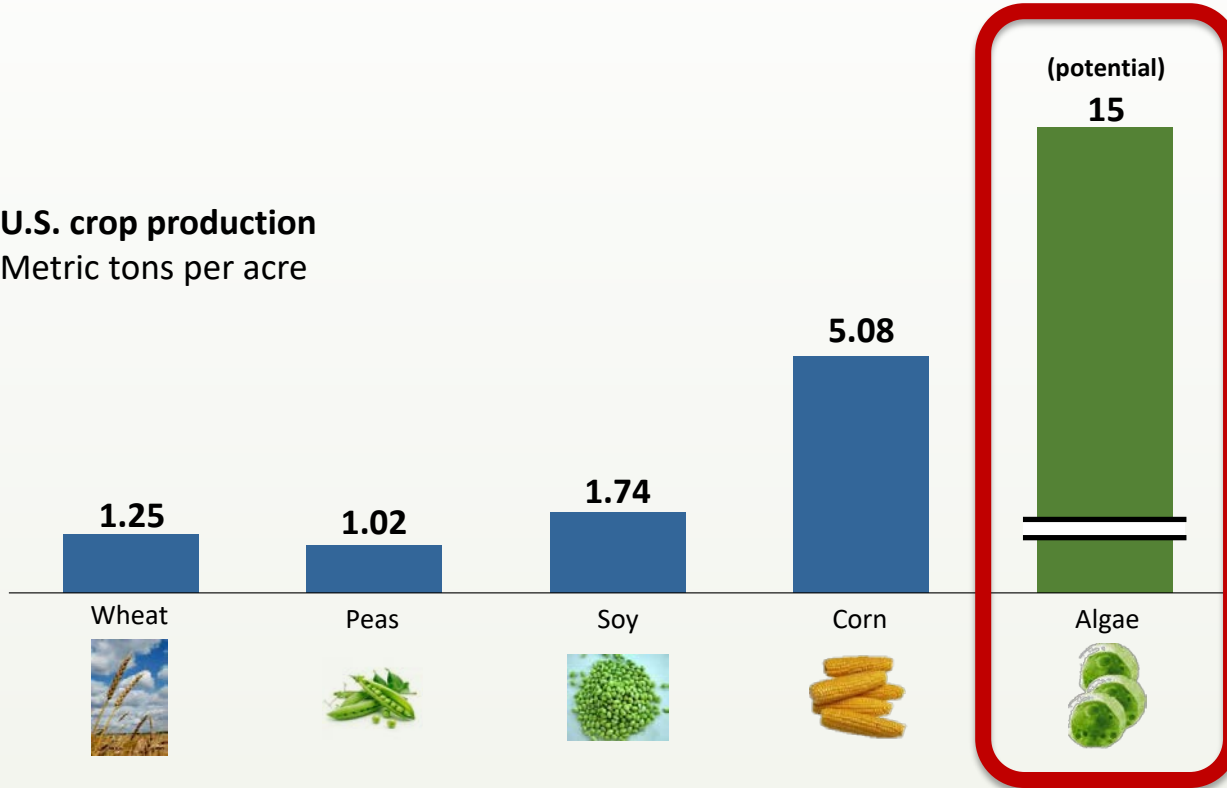
Columbus, New Mexico
900 acres,
110 in operation

Imperial, Texas
360 acres,
55 in operation



Farming Algae: Yield comparison

U.S. crop production
Metric tons per acre



Addition,
not alternative
PLUS
opportunity to
generate jobs
and value

Our algae

LAND-SMART: More essential amino acids (EAA) protein produced per acre (lbs/acre)

20

PEAS

51

SEABREAM

59

PORK

71

BEEF

132

CHICKEN

592

SOYBEANS

5,948

Our algae,
Nannochloropsis

150 acres of our algae = 45,000 acres of peas
In terms of essential amino acid production

WATER-SMART: More EAA protein produced per gallon (gallons/lb.)

17,774

BEEF

9,782

SEABREAM

8,987

PEAS

7,602

PORK

4,367

CHICKEN

1,064

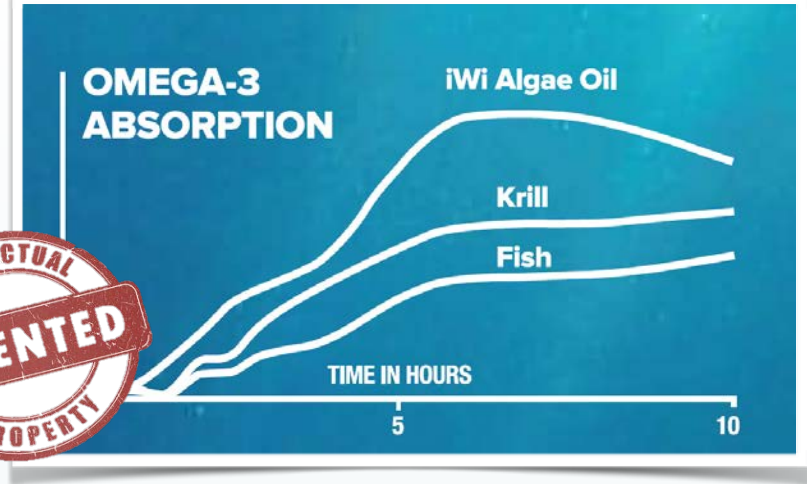
SOYBEANS

~5

Our algae,
Nannochloropsis

Our Value Proposition:

- 100% Plant-based
- Highest bioavailability in the omega-3 market*
- NDI notification by FDA
- Full traceability and control of the process
- 100% sustainable
- 100% scalable



Our Sustainability Proposition:

- We use non arable land
- We use underground salt water
- We consume CO2 and release oxygen
- The sun is our main source of energy
- We create jobs in rural communities





Suana Quest

Raw Food Bible



20,000+ Total Stores



Bulk ingredient: AlmegaPL®

Current Sales
2358 Total Stores

Q3/Q4

iwi

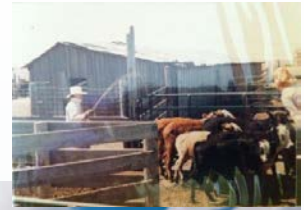
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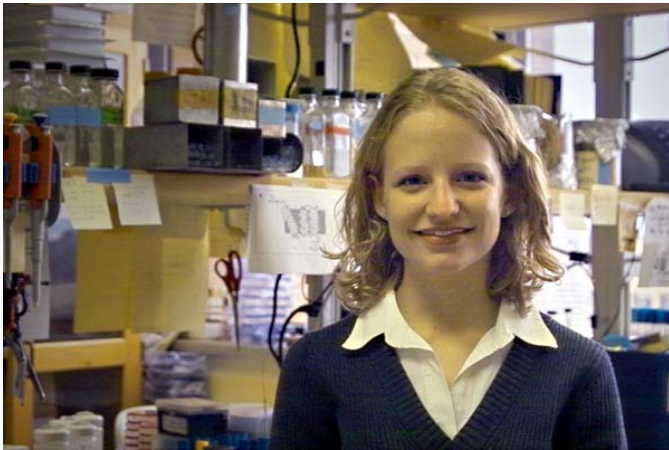


Education

- **Honors B.Sc. in Biology from University of North Texas (Class of '01)**
 - Studied pyrimidine biosynthesis in *Pseudomonas aeruginosa*
 - Received Department of Biology Academic Achievement Award
 - Received University of North Texas Outstanding Student Leader Award

- **Ph.D. in Microbiology from Texas A&M University (Class of '07)**
 - Program in Microbial Genetics and Genomics Fellowship
 - National Science Foundation (NSF) Graduate Research Fellow
 - Studied the genetic & physiological characterization of the phage λ holin protein, S, in Ry Young's Lab
 - Received OGS travel grant in support of independently arranged collaboration at UCSD
 - Received the Guseman Award for outstanding contributions to the success and prosperity of the Graduate Student Council and the graduate student body
 - Received the Montgomery Graduate Endowed Fellowship for making major contributions to the academic opportunities and quality of life of her fellow graduate students
 - Received the Biology Department Graduate Teaching Award.
 - Department of Biochemistry/Biophysics Research Competition Finalist, 1st place award

- **Post-doc at The Scripps Research Institute (TSRI)**
 - Characterized envelope/receptor interactions in feline immunodeficiency virus (FIV), a lentivirus that causes an AIDS-like syndrome in the domestic cat.



“Real education”

- Science isn't everything
- Communication skills are paramount
- If you see a problem, be part of solving it
- Be active in the communities you are part of
- Mentoring and/or supervising others is great, relevant experience
- Make your own opportunities (you don't get if you don't ask)



- Understanding how you are a bigger part of a whole
- Make connections outside science
- Give back/pay it forward (leadership through service)
- There is no such thing as “I didn't have time” – there is only “I prioritized something else”

Picking a career direction

- Liked science, but not bench work
- Enjoyed working on/leading teams more than working alone
- Wanted to work on (and solve) BIG problems
- Believed that science communication is critical to success of not just scientists, but for companies, too

- Results oriented, driven, high initiative, lots of “grit”
- Highly organized, excellent communication skills
- Adaptable, comfortable with ambiguity
- Technical background, with good combination of hard and soft skills

Made the jump from academia to industry and from bench to office



What is it that
I do exactly?

...A little bit of everything



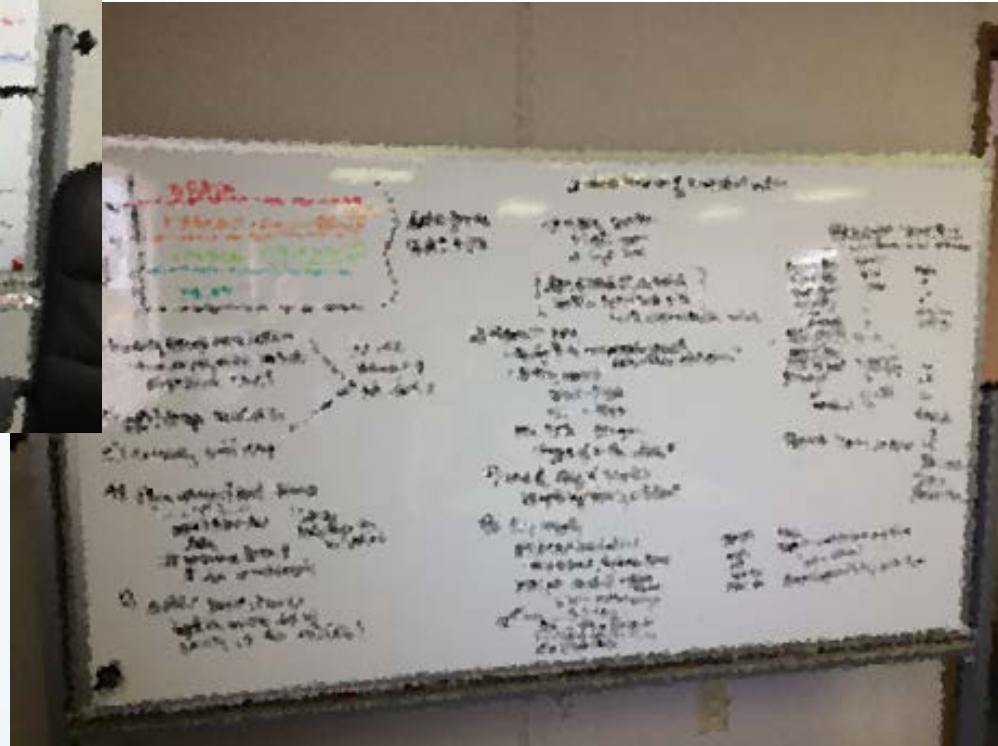
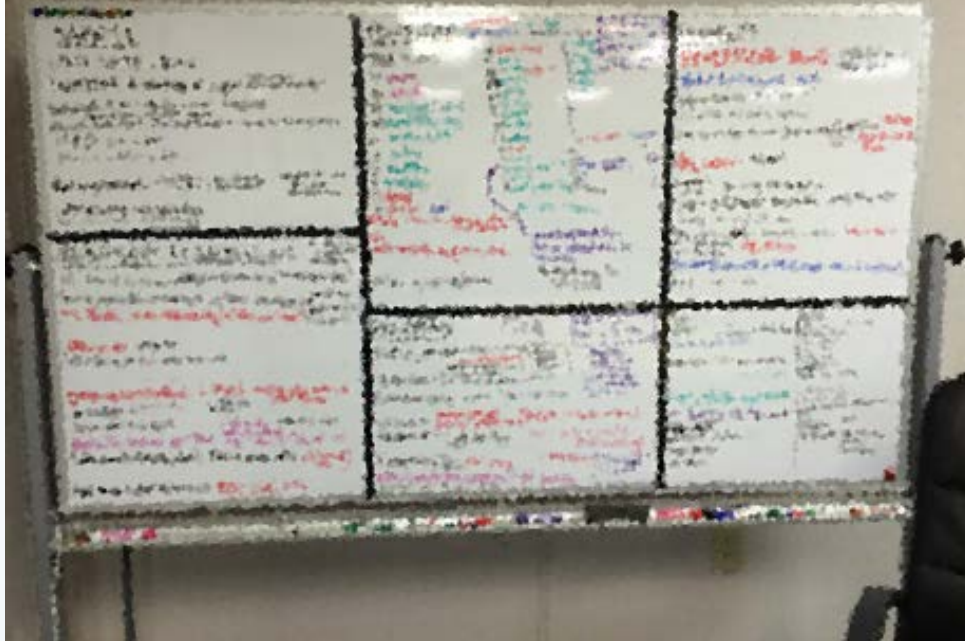
Ensure on-spec production,
start to finish



Building company culture, team, and processes



Operational planning and refinement



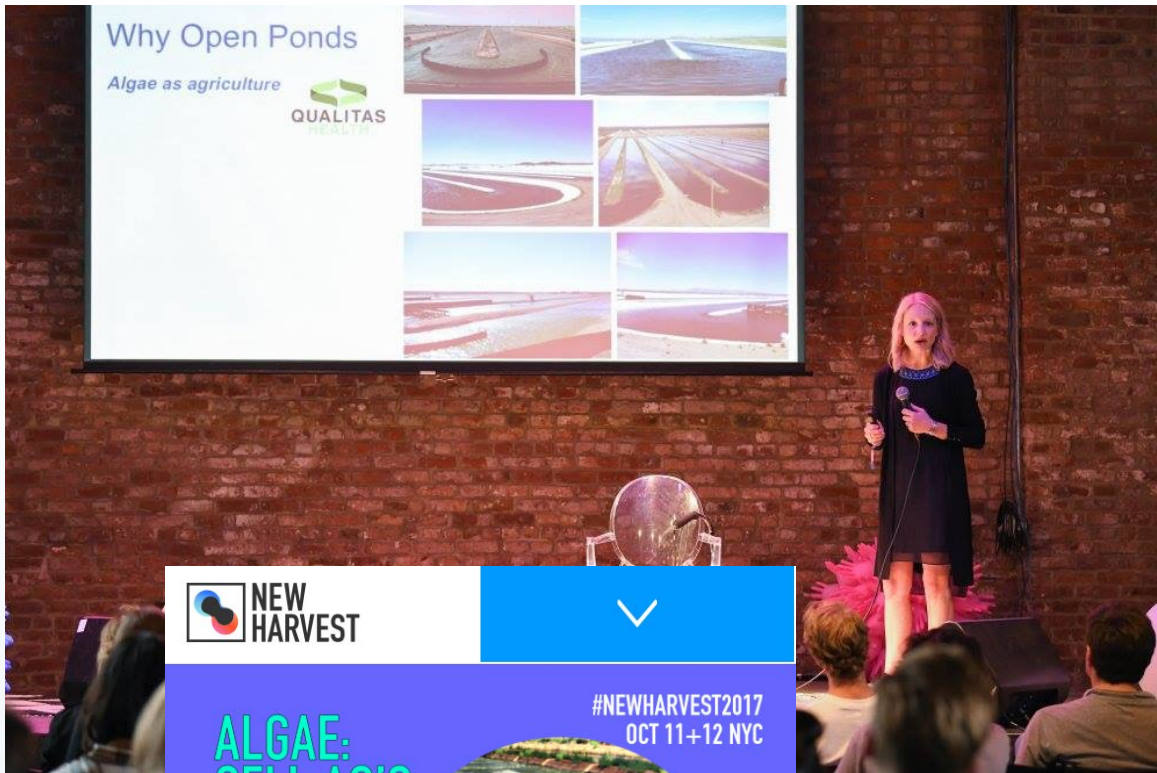


Field work



R&D, New Technology and Capital projects





Algae Education, Public Speaking

NEW HARVEST

ALGAE:
CELL AG'S
GREEN
MACHINE?

REBECCA WHITE - ALGAE SCIENTIST

#NEWHARVEST2017
OCT 11+12 NYC



Industrial Biotechnology

ISSN 1550-9987
VOLUME 11 NUMBER 4
AUGUST 2015

The journal of biobased innovation to drive the global bioeconomy

IB IN DEPTH – Algae-Based Technologies Step Up

Synthetic Biology-Based Microbial Conversion in Industrial Processes

Global Strategies to Drive Innovation in Biobased Fuels and Chemicals

New Insights on the Biobased Products Industry



Official Journal of the World Congress on Biobased Technology

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Public Relations

Reviews

Long-Term Cultivation of Algae in Open-Raceway Ponds:
Lessons from the Field

Rebecca L. White¹ and Rebecca A. Ryan²

Sapphire Energy, Inc., ¹Columbus Algal Biomass Farm, Columbus, NM and ²Las Cruces Test Site, Las Cruces, NM

Industry promotion and Legislative Affairs



115TH CONGRESS
2^D SESSION

H. R. 5373

To provide support for the production of algae, and for other purposes.

IN THE HOUSE OF REPRESENTATIVES

MARCH 21, 2018

Mr. PARRIS (for himself, Mr. LAYBORN, Mr. KILMEN, and Mr. BISCO) introduced the following bill, which was referred to the Committee on Agriculture, and in addition to the Committee on Energy and Commerce, for a period to be subsequently determined by the Speaker, in each case for consideration of such provisions as fall within the jurisdiction of the committee concerned:

A BILL

To provide support for the production of algae, and for other purposes.

1 *Be it enacted by the Senate and House of Representa-*
2 *tives of the United States of America in Congress assembled,*

3 SECTION 1. SHORT TITLE; TABLE OF CONTENTS.

4 (a) SHORT TITLE.—This Act may be cited as the

5 "Algae Agriculture Act of 2018".

6 (b) TABLE OF CONTENTS.—The table of contents for

7 this Act is as follows:

- Sec. 1. Short title; table of contents.
- Sec. 2. National conservation practice standard for algae-based nutrient management systems.
- Sec. 3. Rural electrification assistance programs.





Marketing

(First commercials in post-production!)



Lots of
travel





HOW DID I GET
WHERE I AM?

Need solid hard skills, but soft skills are just as important

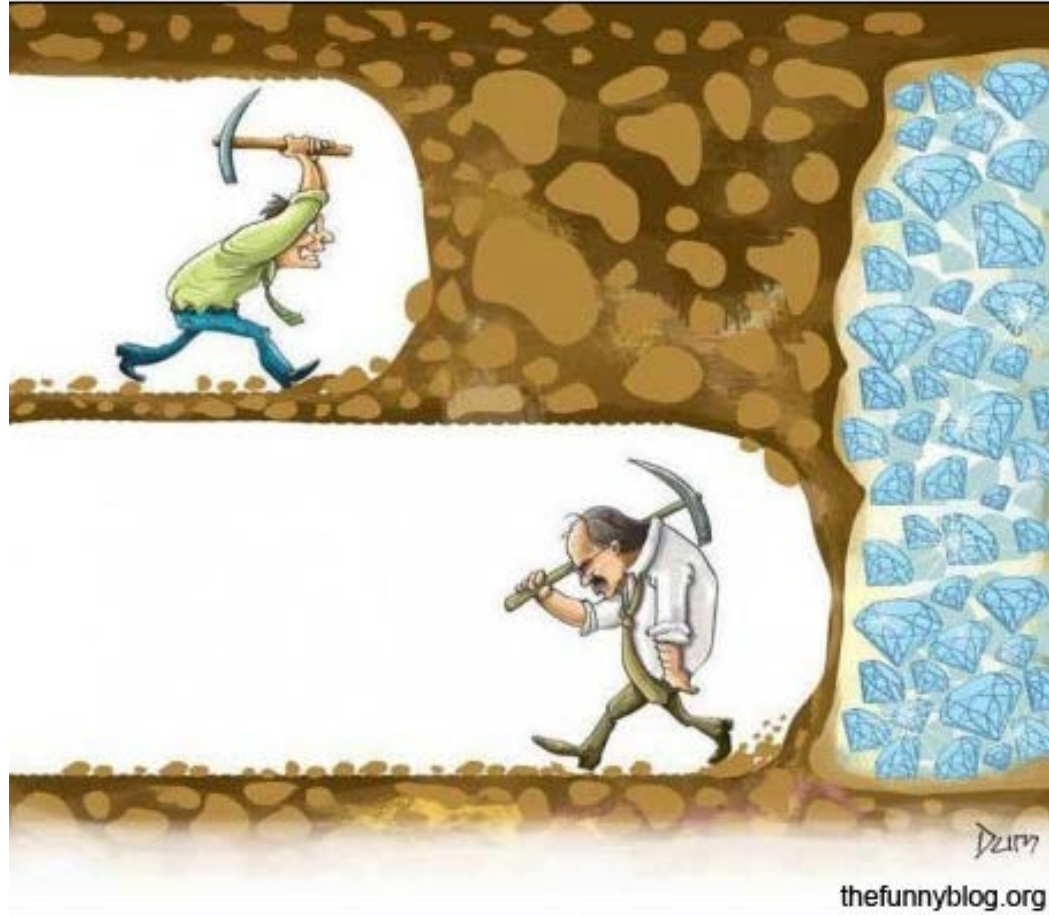
- Initiative
- Determination
- Personal Credibility
- Communication skills
- Transparency
- Teamwork and collaboration
- Emotional Intelligence
- Self awareness
- Influence
- Ownership
- Commitment to excellence
- Flexibility/Adaptability
- Problem solving
- Critical observation
- Empowerment
- Mentoring
- Good energy
- Conflict resolution

Have high expectations

expectations.



Determination



Build your network

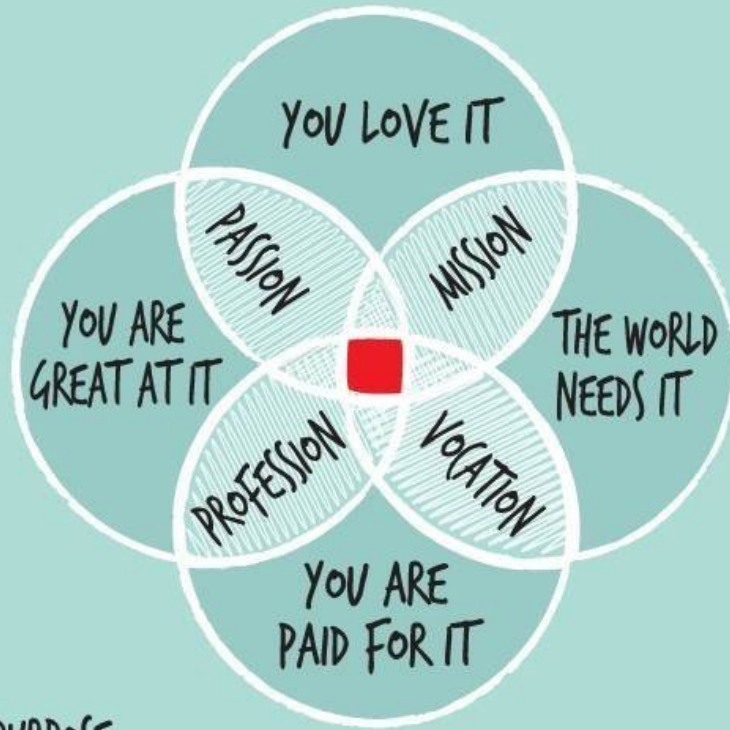


- Actively listen
- Be professional
- Be respectful
- Help when the opportunity arises

Every person
you will
ever meet
knows something
you don't

Love what you do





 -PURPOSE

