CARNEGIE UNIVERSITY

IGEM 2017

WHAT IS IGEM?

International

Genetically

Engineered

Machines

Human practices 10%

Competition

10%

Web coding

20%

Outreach 10% Lab work 50%

SPONSOR

Carnegie Mellon University | Qatar

PARTNERS

Green Mangroves

Occidental Petroleum

iGEM Pitt

IDT

Benchling

جامعۃ کارنیجی میلوں فی قطر Carnegie Mellon University Qatar









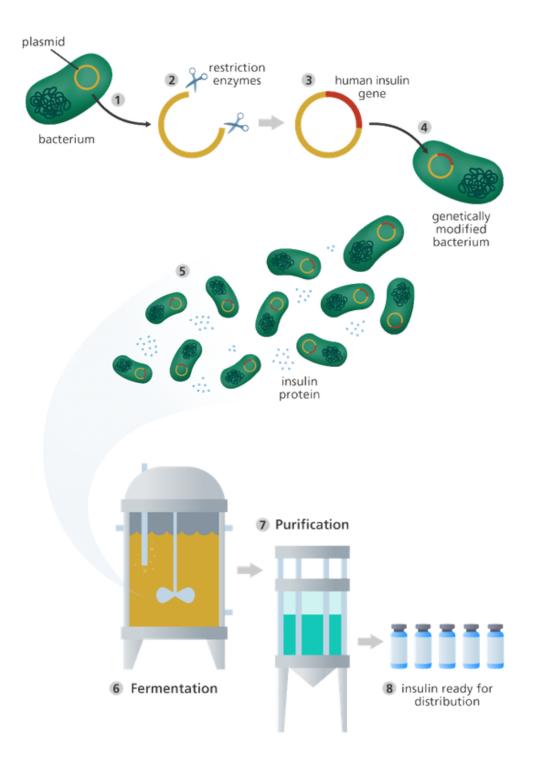
GENETIC ENGINEERING

Plasmid (vector)

Bacteria (host)

DNA of interest

Restriction Enzymes



JENGATIME!

PICK A REPRESENTATIVE FROM YOUR GROUP



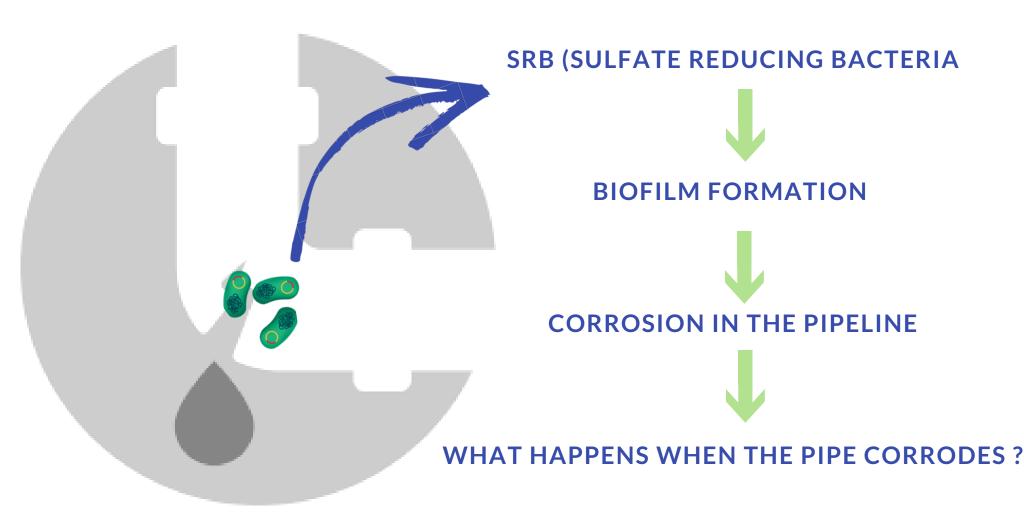
WHAT WE WANT TO SOLVE

ENVIRONMENTAL APPROACH

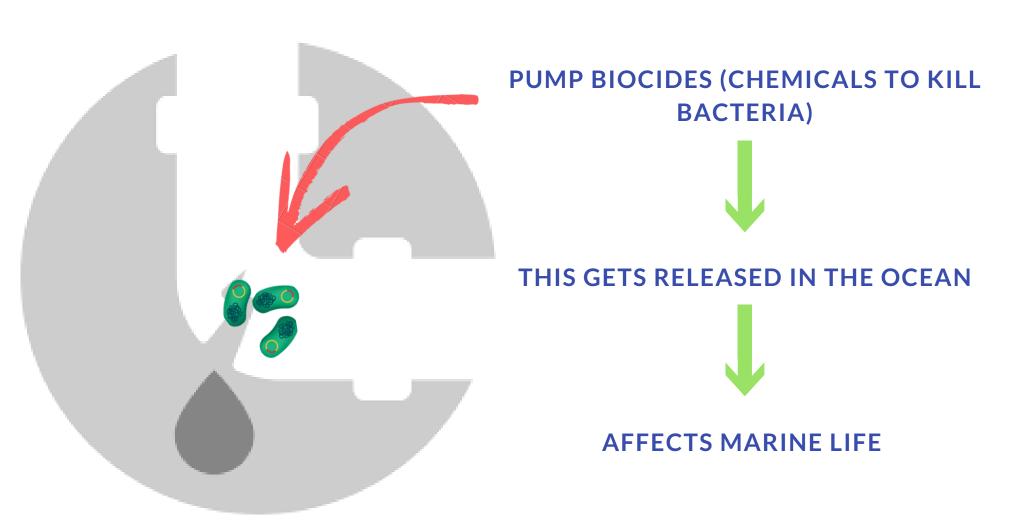


PROBLEM

IN OIL PIPELINES



PROBLEM CONTINUED



HOW WOULD YOU SOLVE THIS PROBLEM?

WHAT IS HAPPENING IN DETAIL:

BIOCIDES: PREVENTIVE METHOD

NACE TEST: 1-2 WEEKS TO QUANTIFY SRB

• WE WANT ANOTHER TEST

OUR SOLUTION

PRO-U OSMOLARITY SENSOR

-DISPERSIN B

WINNER OF BRAINSTORMING ACTIVITY....

GUESS THE LOCATION...



WHAT DO YOU THINK OUR LOGO STANDS FOR?

THANK YOU FOR YOUR ATTENTION!