




WELCOME TO ENGINEER 4A03 WEEK 2 Lecture



ENGINEERING



**Ethics, Equity and
Law in Engineering
FA24**

Today's Agenda

|01 Recap + Housekeeping

What are we getting ourselves into

|02 You and the Society

The Engineer's Social Context

|03 Renaissance

Creating a Society

|04 Literature Review

How to write one.

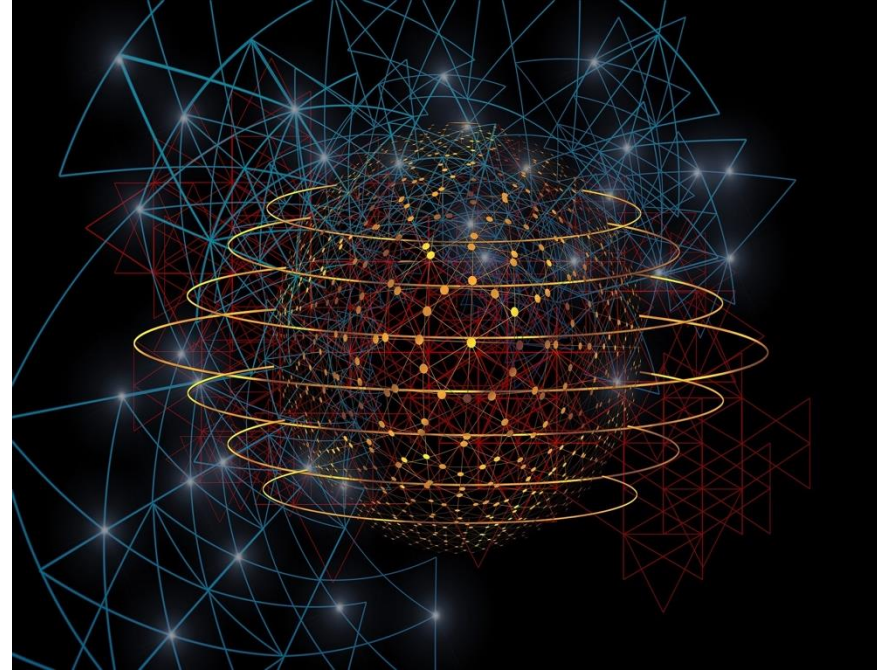
01

**Recap +
Housekeeping**



02

The Social Context



Hierarchy



Managers

Supervisors/project leads



Engineers

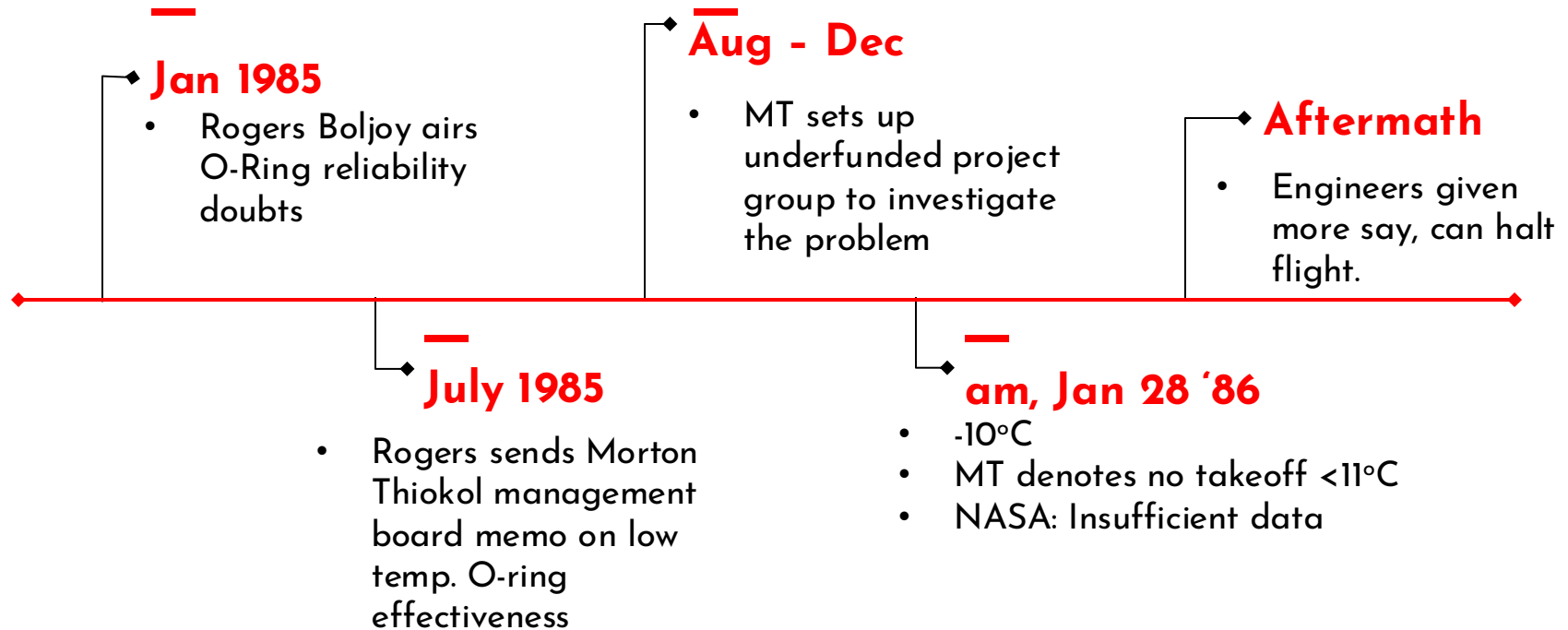
Answer to Managers

- Consider general social frameworks for dealing with potential tension between the 2 parties
- How then do we deal with responsibility?

Addressing the Engineer's Concern?

1. Separatism - I will do my job.
2. Technocracy - I will be the governing expert.

Challenger Disaster - the cost of putting a civilian in space



Responsibility.

Being held accountable for your actions and the effects of your actions

Considering Active vs Passive Responsibility.

Other Types of Responsibility?

1. Role Responsibility- Based on role one plays in a certain situation.
2. Moral - moral obligations, norms and duties.
3. Professional - based on one's profession

03

Recreating Society

The Engineer's Role



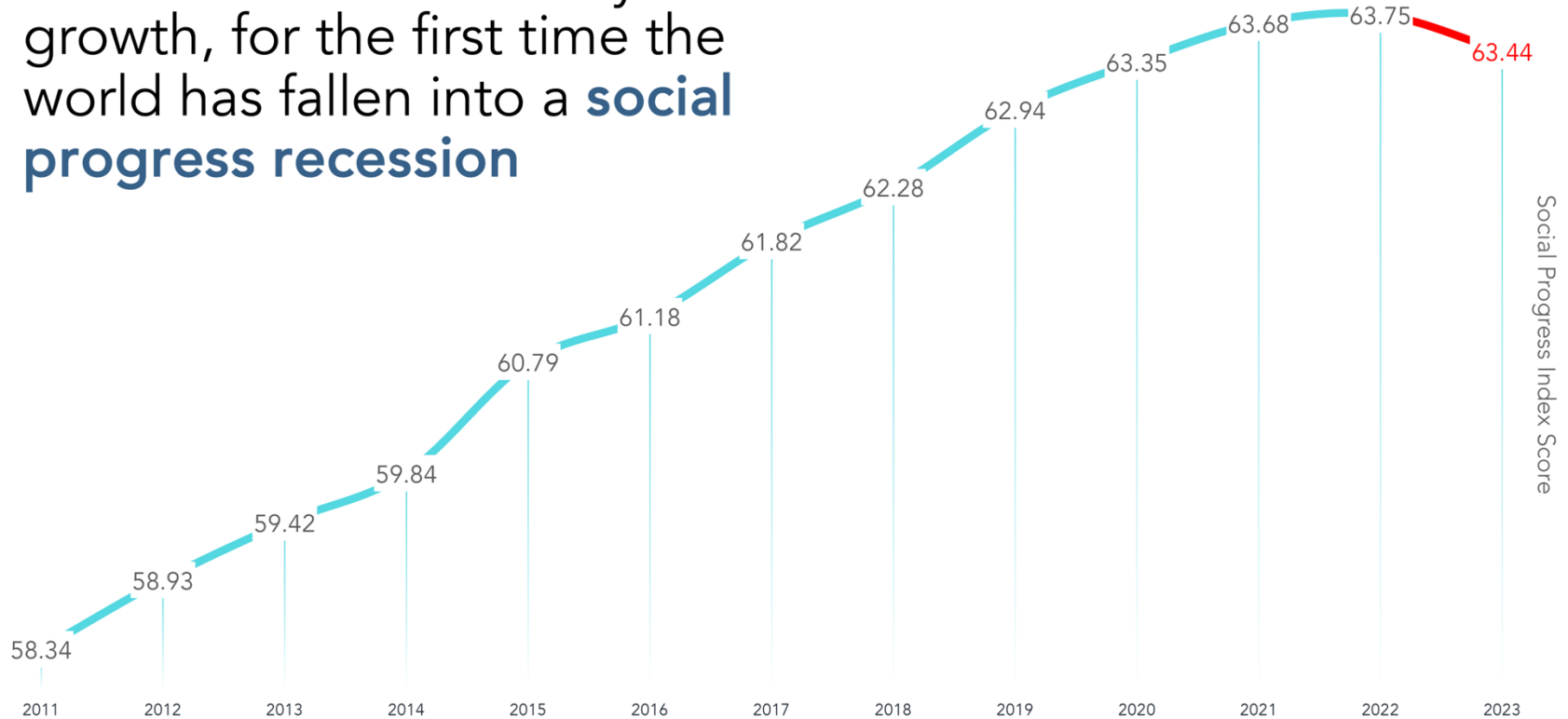


SUSTAINABLE DEVELOPMENT GOALS

17 GOALS TO TRANSFORM OUR WORLD



After a decade of steady growth, for the first time the world has fallen into a **social progress recession**



Social Progress Index Score

Conducting a Literature Review

A Few Pointers

1. Use Library to access papers
2. My preference is webofscience.org
3. APA or IEEE citation styles acceptable
4. Use Mendeley or Zotero



Thanks!

Let's end here today

Due Next Week:

- **Quiz 1**