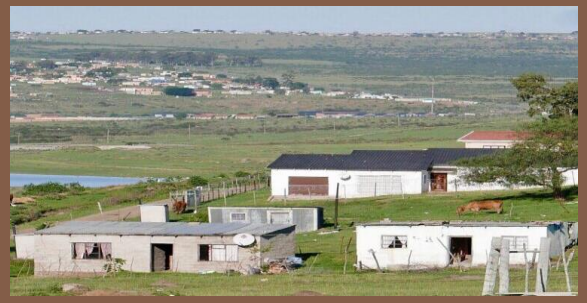


THE AGRICULTURAL REVOLUTION

Name- Neeraj Singh

C.R. no.- 2314062

Class – civil Engg.

Section- b1

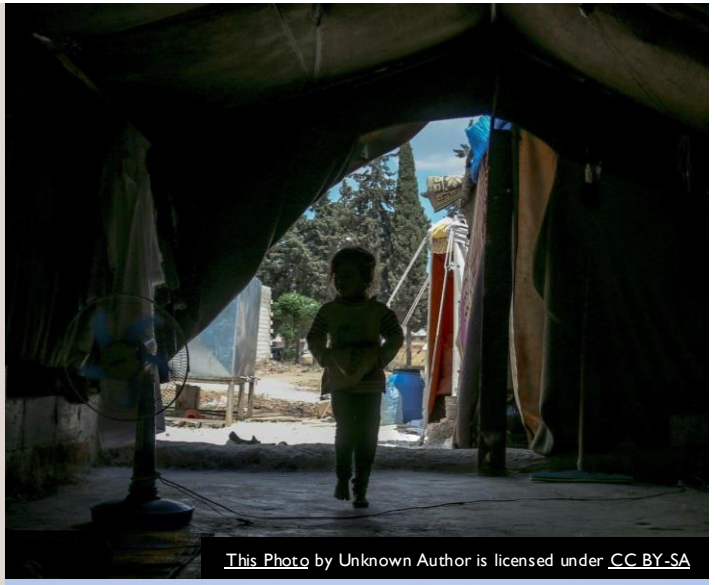
INTRODUCTION

- OVERVIEW OF THE AGRICULTURAL REVOLUTION
- DEFINITION: THE TRANSITION FROM NOMADIC HUNTER GATHERER SOCIETIES TO SETTLED AGRICULTURAL COMMUNITIES
- INNOVATION IN INFRASTRUCTURE TO SUPPORT AGRICULTURAL ACTIVITIES
- FOUNDATION FOR MODERN CIVIL ENGINEERING PRACTICES

PRE-AGRICULTURAL SOCIETES

. Before agriculture:
Nomadic hunter-gatherer societies with limited engineering.
.Temporary shelters and basic tools.
Early engineering examples:
Simple structures for storage and living.
Basic tool making techniquen

For ex. Stone tools



IRRIGATION SYSTEMS

Development of irrigation systems:

.Need for reliable water sources for crops.

.Construction of canals, dikes, and reservoirs.

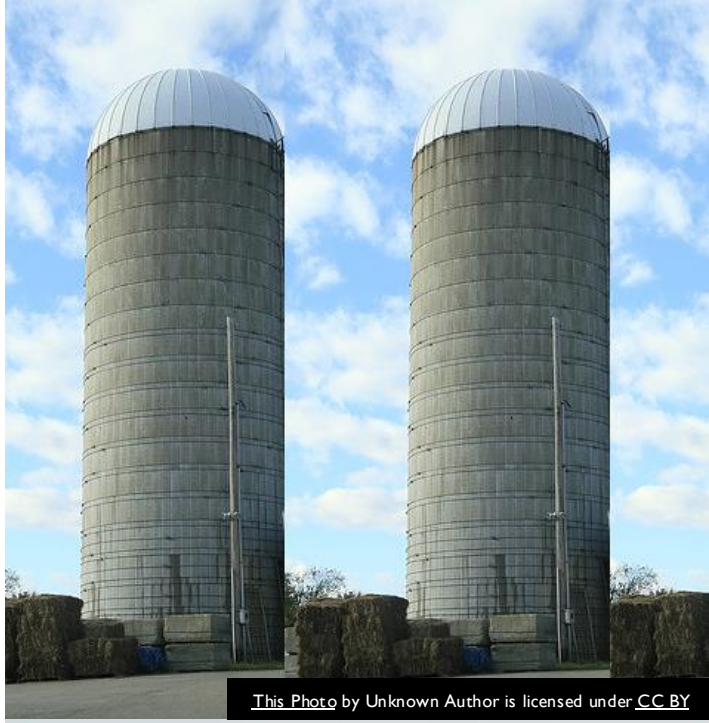
.Engineering innovations: *

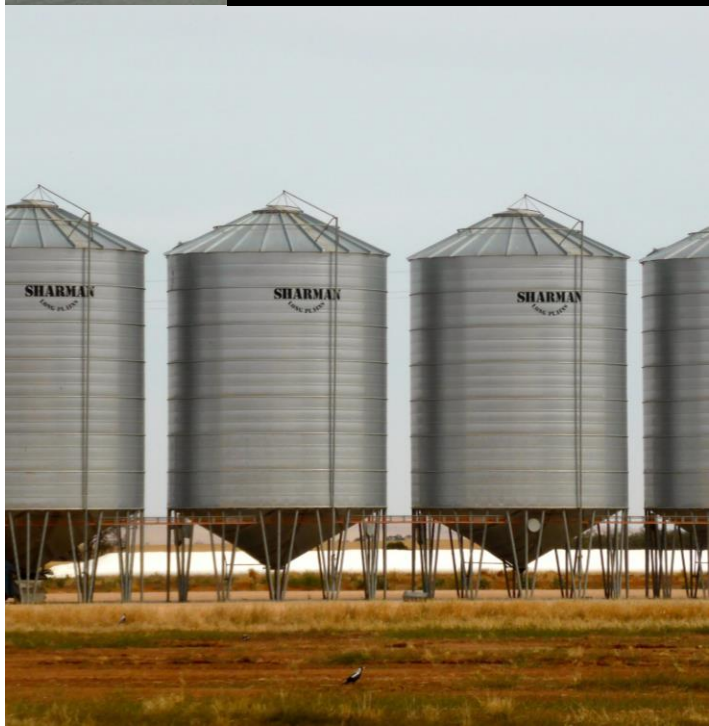
.Hydraulic engineering techniques.

.Impact on water management and agricultural productivity.

CONSTRUCTION OF STORAGE FACILITIES

.Need for storage solutions:
.Surplus crops required effective storage.
.Engineering developments:
.Granaries and silos for preserving food.
.Structural engineering to build stable storage units.





PERMANENT SETTLEMENTS

.Transition to settled communities:
.Development of villages and towns.
Civil engineering contributions
.Planning and construction of permanent structures.
.Roads, public buildings, and residential areas.

ROAD AND TRANSPORT

.Facilitation of trade and movement:

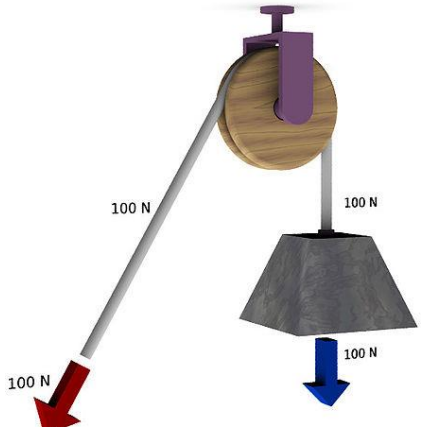
.Need for efficient transport routes.

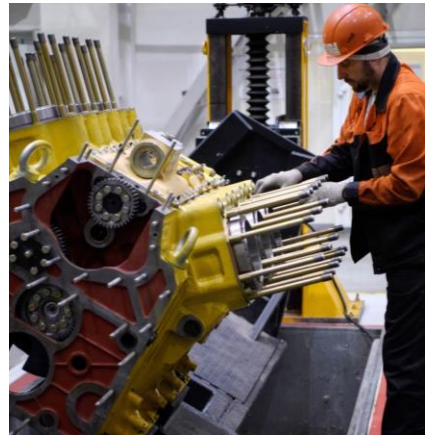
.Engineering advancements:

.Construction of roads and bridges.

.Techniques for durable and navigable pathways.

TOOLS AND MACHINERY





Innovation in agricultural tools:

.Development of plows, hoes, and irrigation devices.

.Mechanical engineering beginnings:

.Use of levers, pulleys, and gears.

.Foundations for future engineering machinery.

CONCLUSION

- Recap of key points

* Agricultural Revolution's role in spurring engineering innovations.
* The foundation for modern civil engineering practices.
* Reflection on the importance:
* Understanding historical advancements to appreciate modern engineering.


Thank
you