

Information and Communication Technology: A MOTIVATION

MOTIVATION



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Question:



Why should we study ICT?
..... untuk apa belajar
ICT?

Today

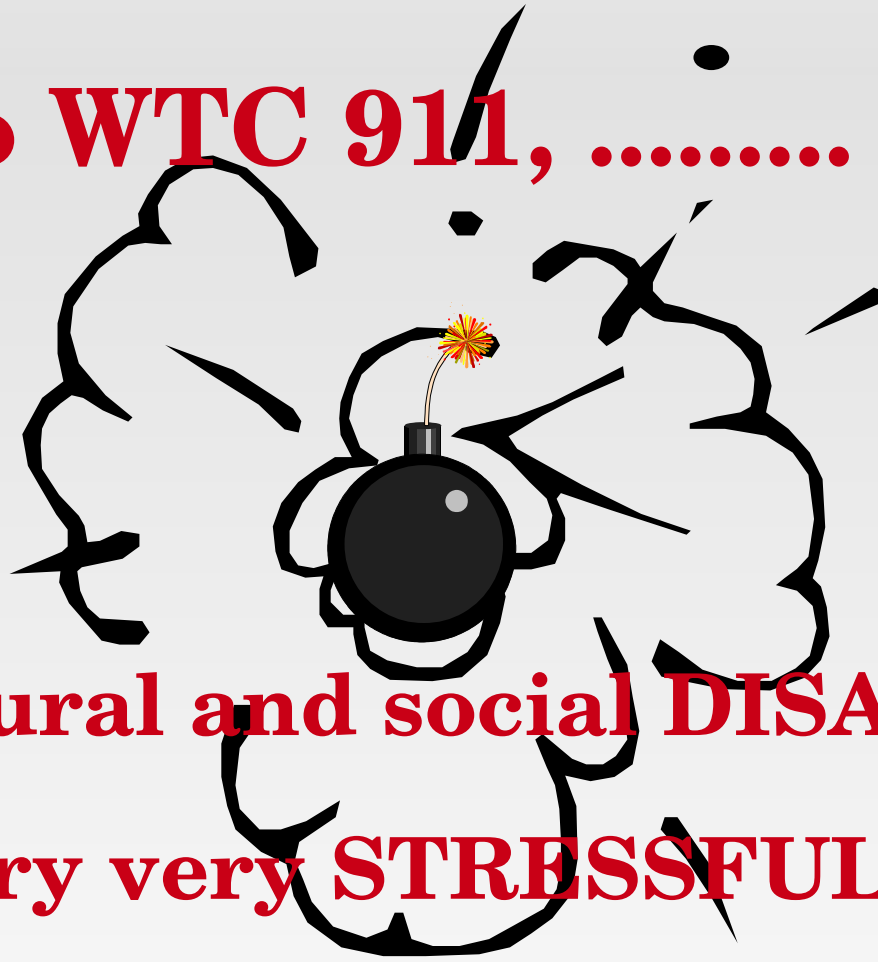
**From Hiroshima-Nagasaki
to WTC 911,**



..... natural and social DISASTERS

..... a very very STRESSFUL

world of TODAY !



The FUTURE of our EARTH.....?



The HISTORY of CIVILIZATION

The History of Civilization

The ERA of	The CENTRAL Issue	Historical Events
Agriculture	Land	Social Revolution and Independence
Industry	Energy	HIROSHIMA NAGASAKI
INFORMATION	Information	WTC 911

WTC 911

Hijacked Jets Fly Into Trade Center, Pentagon



A Day of Carriage and Chaos

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WTC 911



WHY THE TOWERS COLLAPSED



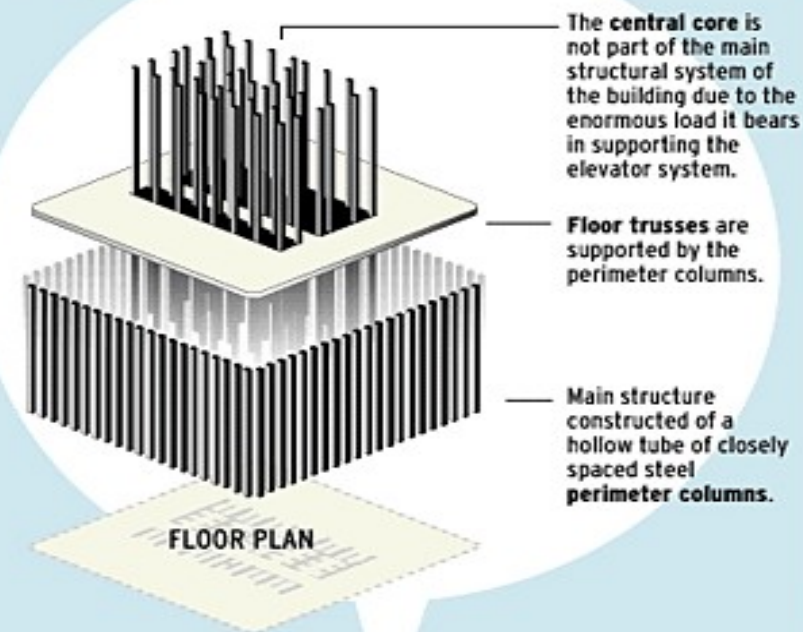
The impact of the plane crash destroyed a significant number of perimeter columns on several floors of the building, severely weakening the entire system.

As fire raged in the upper floors, the heat gradually affected the remaining structure.

The prolonged high temperatures, fuelled by the large volumes of aviation gas, weakened the steel core struts.

When the fire reached 1,500°F, the weakened struts collapsed and the truss system collapsed vertically.

The building's perimeter columns and floor trusses form a steel lattice, which was designed to act as a wind brace, thereby keeping disturbance away from the central core.

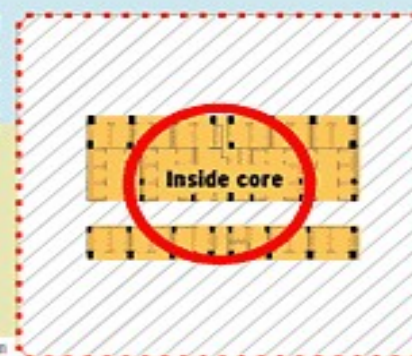


The central core is not part of the main structural system of the building due to the enormous load it bears in supporting the elevator system.

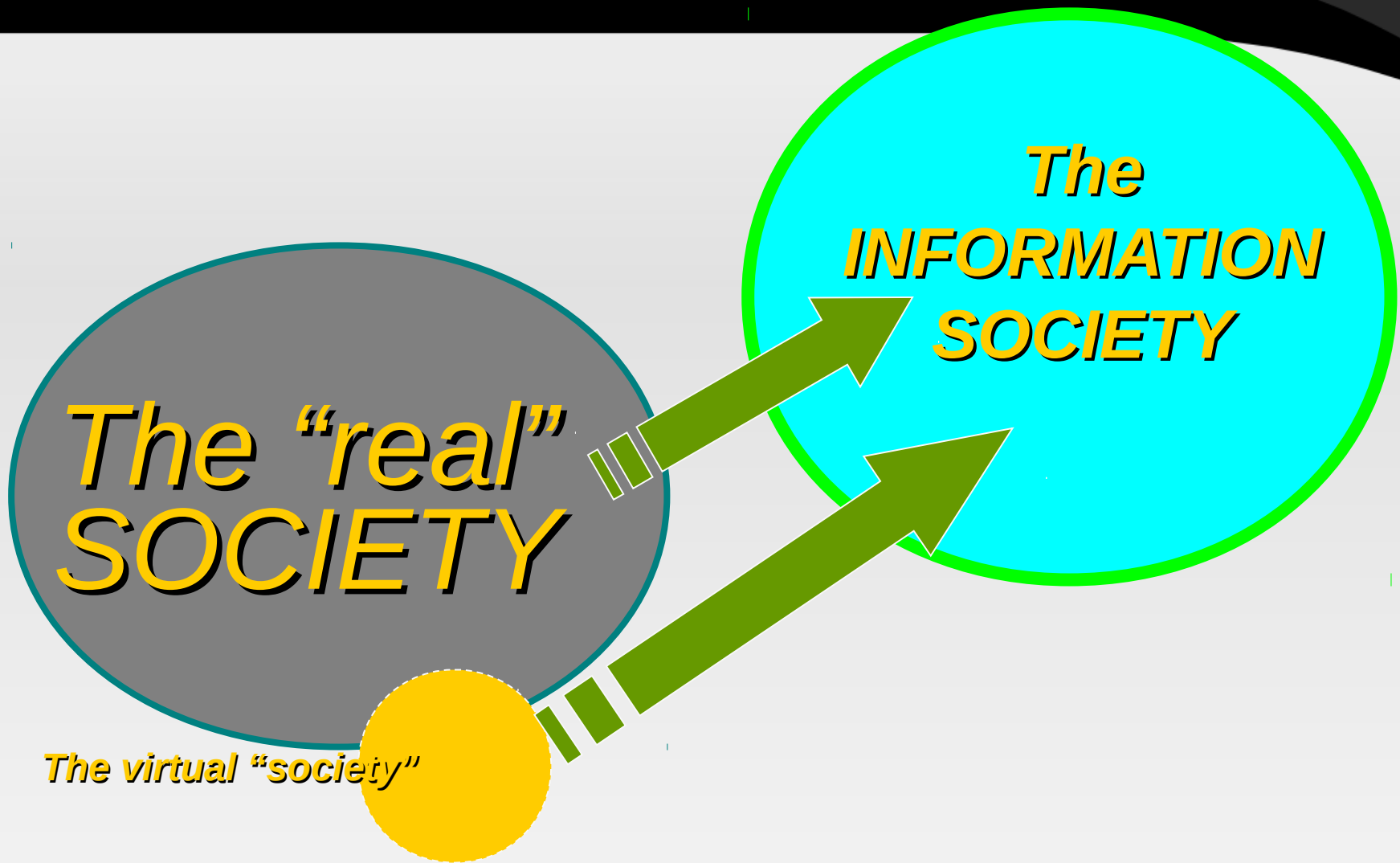
Floor trusses are supported by the perimeter columns.

Main structure constructed of a hollow tube of closely spaced steel perimeter columns.

FLOOR PLAN OF THE WORLD TRADE CENTRE



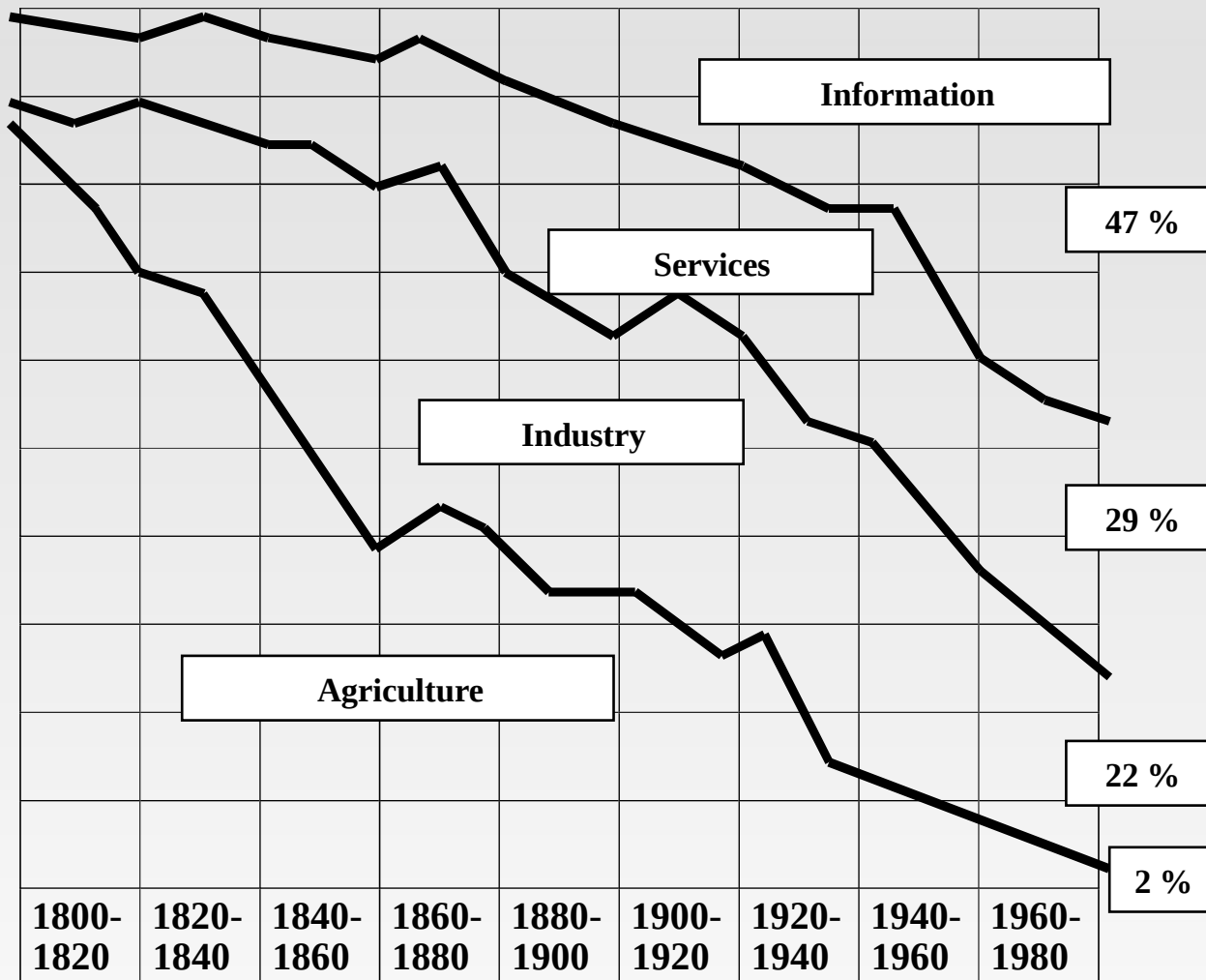
A hollow tube of closely spaced perimeter columns form the main structural component of the tower.



The GLOBAL Information ERA !

The Information Society

The Work Force Composition



Gambar 1

The Change of the Work Force Composition in the USA 1800-1980
(Source:: Everett M. Rogers, **1986**], *Communication Technology*, page 11)

Information Workers

Individuals whose main activities are

PRODUCING.....

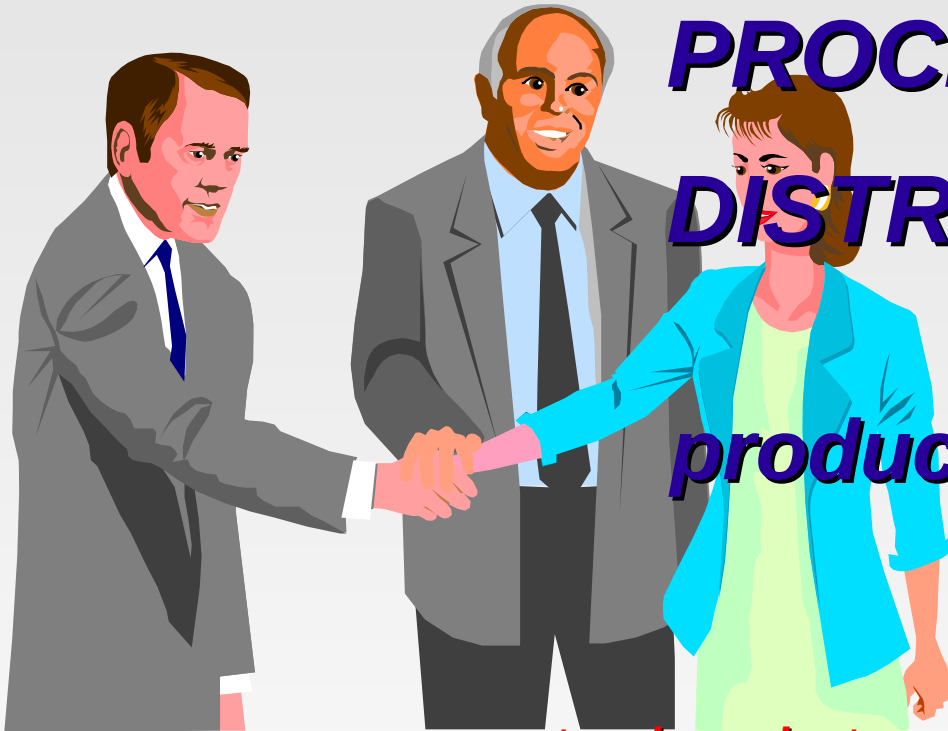
PROCESSING.....

DISTRIBUTING.....

INFORMATION

producing

The INFORMATION TECHNOLOGY



..... teachers, lecturers, academicians, reseachers, writers, reporters, managers, public relation, etc.... .

C/O

Key Social Institutions

<i>Society</i>	<i>Key Social Institution</i>
<i>Agricultural</i>	FARM
<i>Industrial</i>	FACTORY
<i>Information</i>	UNIVERSITY

(Source: Everett M. Rogers, [1986], “*Communication Technology*”, hal. 13)

The ~~INDONESIAN~~ Information Societies:



Masyarakat
INFORMASI



SELESAI

The END

The END

THE END

Selamat mengikuti
KULIAH ini
dengan SEKSAMA