

Andrew Waugh

Waugh Thistleton Architects, Anglicko

SKÚSENOSTI Z NAVRHOVANIA UDRŽATEĽNEJ ARCHITEKTÚRY

3,000,000,000

PEOPLE WILL NEED A HOME BY

2035

(100,000 homes a day)



**WE WILL BE 70% URBAN
BY 2050**

WE REQUIRE **SOLUTIONS** FOR
DENSE URBAN CONTEXTS

CLIMATE CHANGE IS PRINCIPALLY
CAUSED BY **HUMAN ACTIVITIES**

*Mario J. Molina,
1995 Nobel Prize in Chemistry*

THE **BUILDING INDUSTRY** IS
RESPONSIBLE FOR:

40% CONSUMPTION OF THE WORLDS RESOURCES

25-40% CONSUMPTION OF ENERGY

30-40% EMISSION OF GREENHOUSE GAS

30-40% OF SOLID WASTE GENERATION

THE BUILDING INDUSTRY USES MOSTLY

CONCRETE

STEEL





CONCRETE

5-8% GLOBAL GHG
EMISSIONS

4% GLOBAL GHG EMISSIONS
*(by far the most energy intensive
per volume)*

1.6% AIRLINES **3%** SHIPPING



BIG **PROBLEMS**

BIG **RESPONSIBILITIES**

BIG **OPPORTUNITIES**



**SYSTEMIC
CHANGE
IN THE WAY WE
BUILD**



WOOD IS A VIABLE ALTERNATIVE TO STEEL AND
CONCRETE

WOOD REMOVES CO₂ FROM THE SYSTEM



TIMBER

=



CO₂

WOOD IS REPLENISHABLE

