

ICORCE 2022

The logo for ICORCE 2022 features the letters 'I', 'C', 'O', 'R', 'C', 'E' in a large, bold, black sans-serif font. The letter 'O' is replaced by a circular orange frame containing a stylized illustration of a modern city skyline with a bridge. To the right of the 'E', the year '2022' is written vertically in a bold, orange sans-serif font.

**TRANSFORMATION FOR A SUSTAINABLE, INNOVATIVE
AND RESILIENT CONSTRUCTION INDUSTRY
IMPLEMENTING HUMAN FACTORS IN THE BUILDING
& CONSTRUCTION INDUSTRY IN KENYA**

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WHAT

Definitions
of Human Factors

&

WHY


Understanding the
Human Factors & how
to apply them in our
field



HUMAN FACTORS

As presented by:


- Clients/Developers
- Design Team
- Contractors
- Project Managers



HUMAN FACTORS

Clients/Developers

- Client personality & characteristics
- Client experience & knowledge of construction
- Client confidence in the construction team,
- well-defined scope,
- Project monitoring
- Financing of the project



HUMAN FACTORS

Design Team

- What parts of the individual's personality do the designers bring during design concept, construction & handover
- Skills of the design team,
- Intricacy or complexity of the project design
- Efficiency in submitting design documents



HUMAN FACTORS

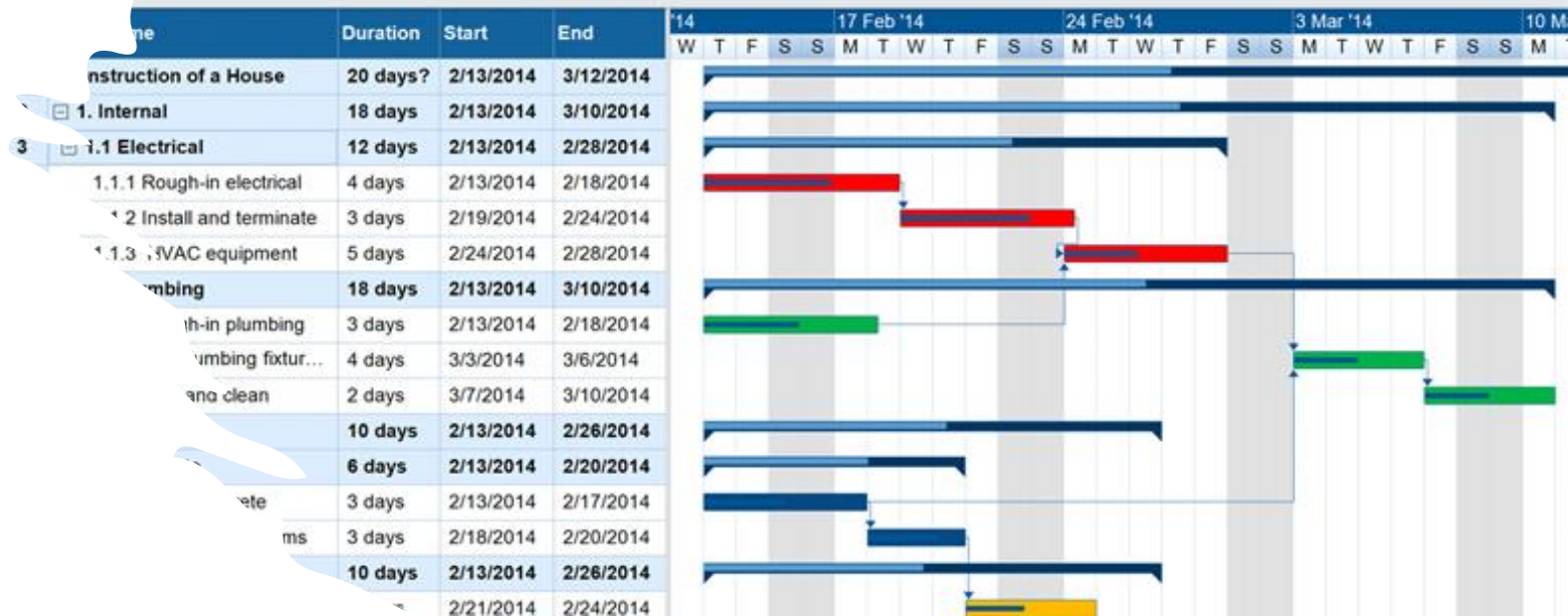
Contractors

- Professional skills,
- Site management,
- Managing Sub-contractors,
- Contractor's & Specialist's cash flow,
- Efficiency of expense control system,
- Ease of information flow

HUMAN FACTORS

Project Managers

- Competence in project planning,
- Organizing
- Interaction
- Skills
- Commitment
- Experience.






HUMAN FACTORS

positive
vs
negative



The image shows a construction site at sunset. A large crane is silhouetted against the bright orange and yellow sky. In the foreground, there are several tall, rectangular concrete pillars surrounded by a complex network of metal scaffolding. The sun is low on the horizon, creating a strong backlighting effect on the structures. A large, semi-transparent white circle is overlaid on the right side of the image, containing text.

How can we then use this new knowledge of Human Factors to transform the construction industry to be sustainable, innovative and resilient ?

Learnings

ADOPTING A NON-PUNITIVE
APPROACH TO ERROR
MANAGEMENT

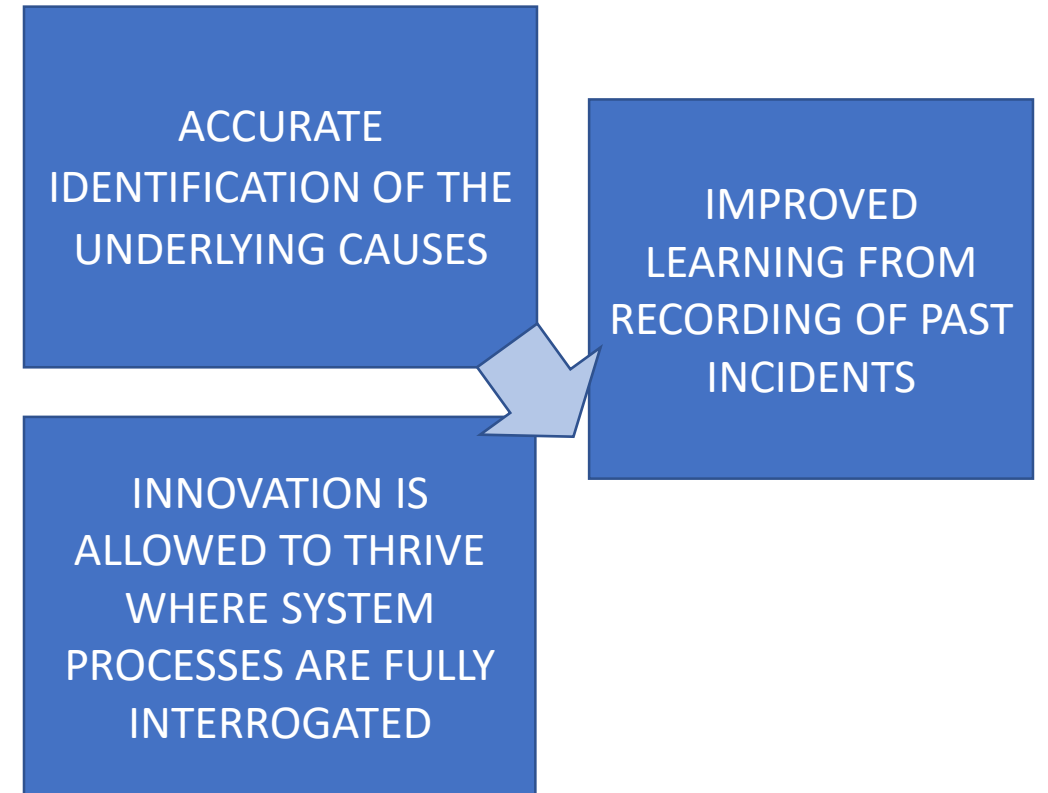
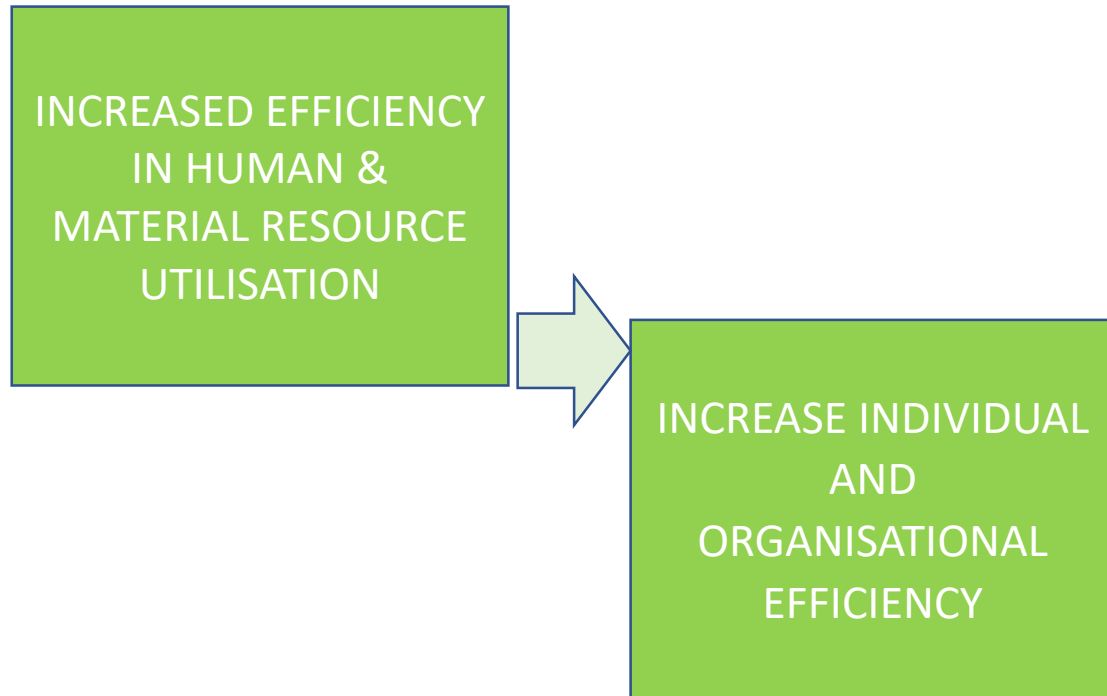
STAKEHOLDER
ENGAGEMENT ALLOWS FOR
ALL ROUND STAFF
MOTIVATION AND
WILLINGNESS TO BE
RESILIENT WHEN REQUIRED

DEVELOPING AN
ORGANISATIONAL
'LEARNING CULTURE' THAT
HAS THE SUPPORT AND
BUY-IN OF ITS EMPLOYEES

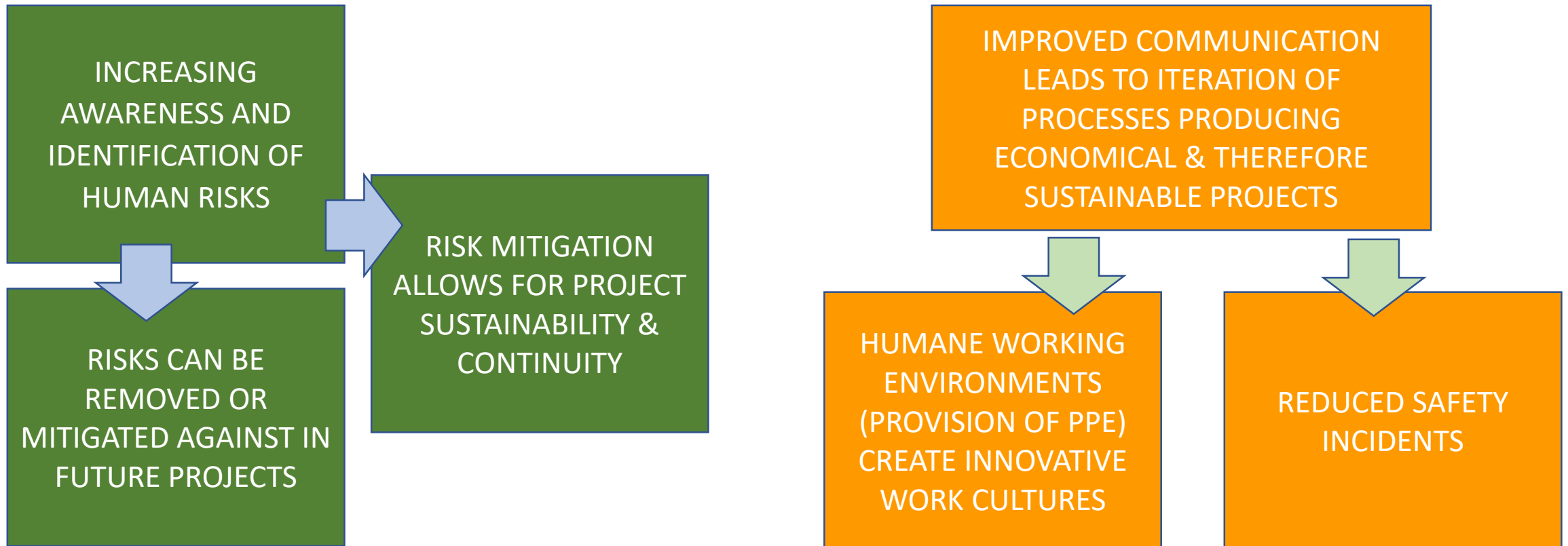
REDUCE FREQUENCY &
CONSEQUENCES OF HUMAN
ERROR


IMPROVE HUMAN
PERFORMANCE

Learnings



Learnings





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THANK YOU FOR
YOUR PRESENCE
& TIME



Questions?
