Technology Transfer is making scientific and technological developments accessible to a wider range of users who can then further **develop and exploit** the technology into new products, processes, applications, materials or services.

Plagiarism – purloining or theft of others' ideas and work, represented as one's own, either in whole or in part, for profit or gain

Bright Tunes, the owners of the song 'He's So Fine' by the Chiffons, sued 'Beatle' George Harrison successfully claiming My Sweet Lord was practically identical. A judge agreed and awarded them \$1.6 million.

TECHNOLOGY TRANSFER ENCOURAGES PLAGIARISM

PLAGIARISM CAN BE ACCEPTABLE DEPENDING ON MOTIVE

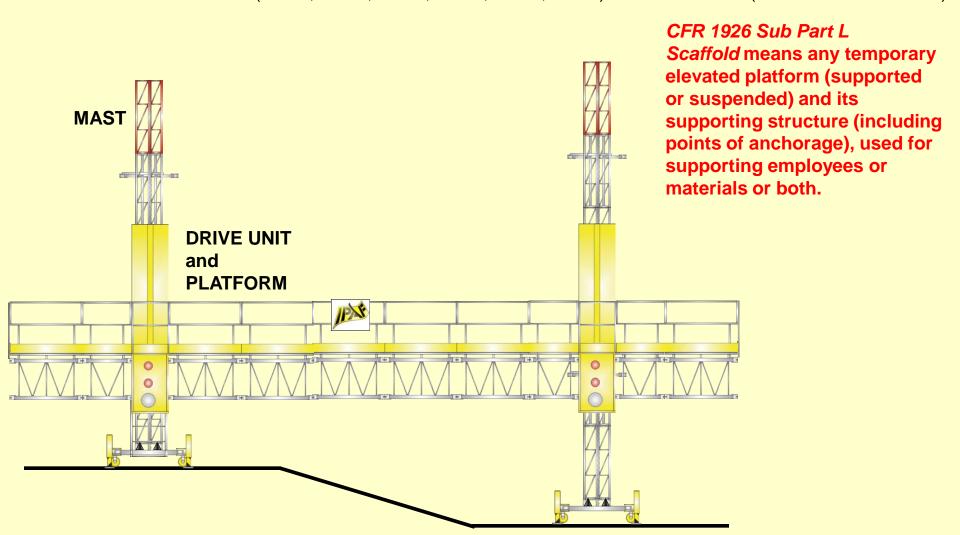
(Saving lives is acceptable plagiarism, outright profit motive is unacceptable)

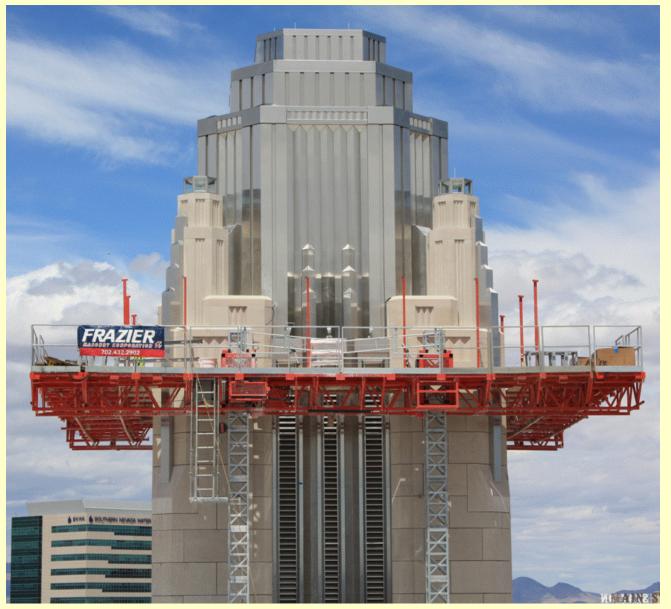
So, technology transfer and innovation diffusion are plagiarism with a conscience!

Best Practices for Health and Safety Technology Transfer in Construction MAST CLIMBING WORK PLATFORM (MCWP) WHAT IS IT?

'Primarily used to position personnel with their necessary tools and materials to perform their work' ANSI A92.9

NOT an Aerial Work Platform (A92.2, A92.3, A92.5, A92.6, A92.7, A92.8) **NOT A HOIST** (ANSI A10.4 and A10.5)





WHAT'S IT USED FOR?

MASONRY

STUCCO

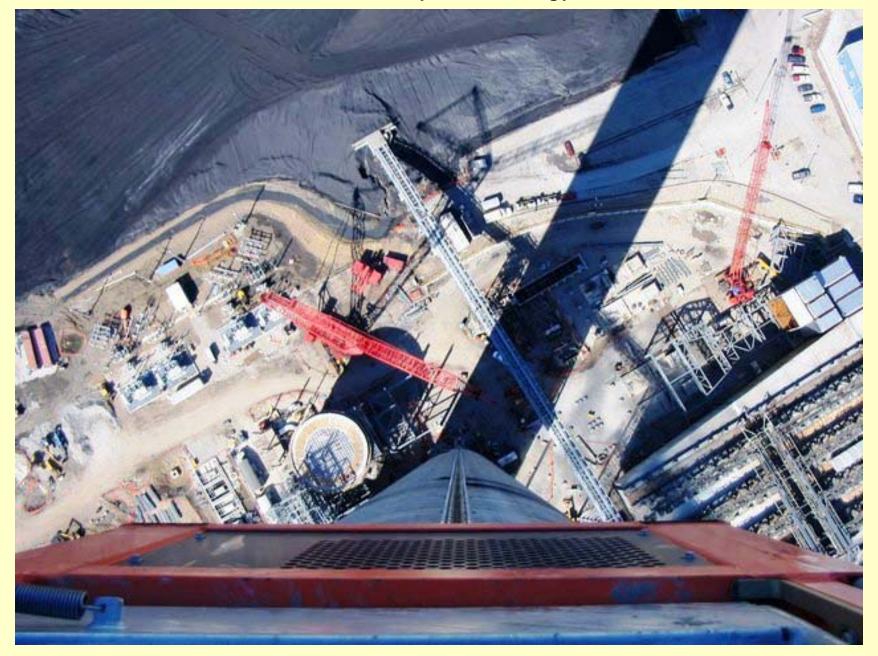
GLASS

REFURB

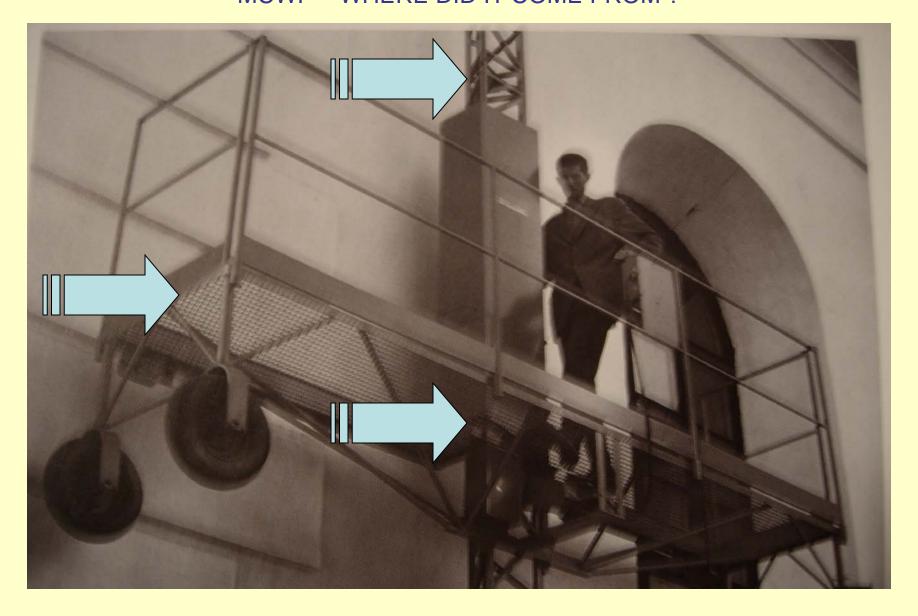
METAL PANEL

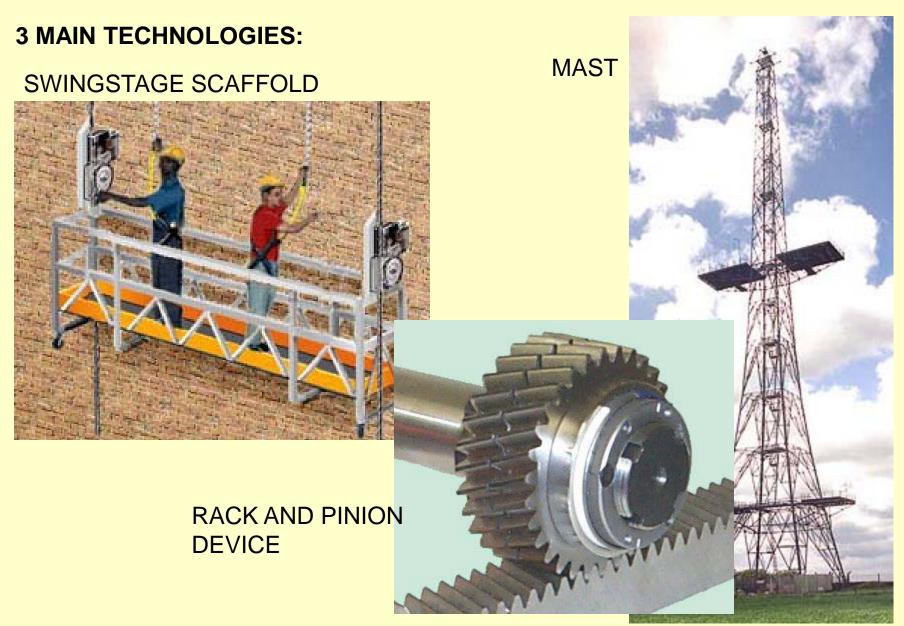
A WORKSHOP IN THE SKY

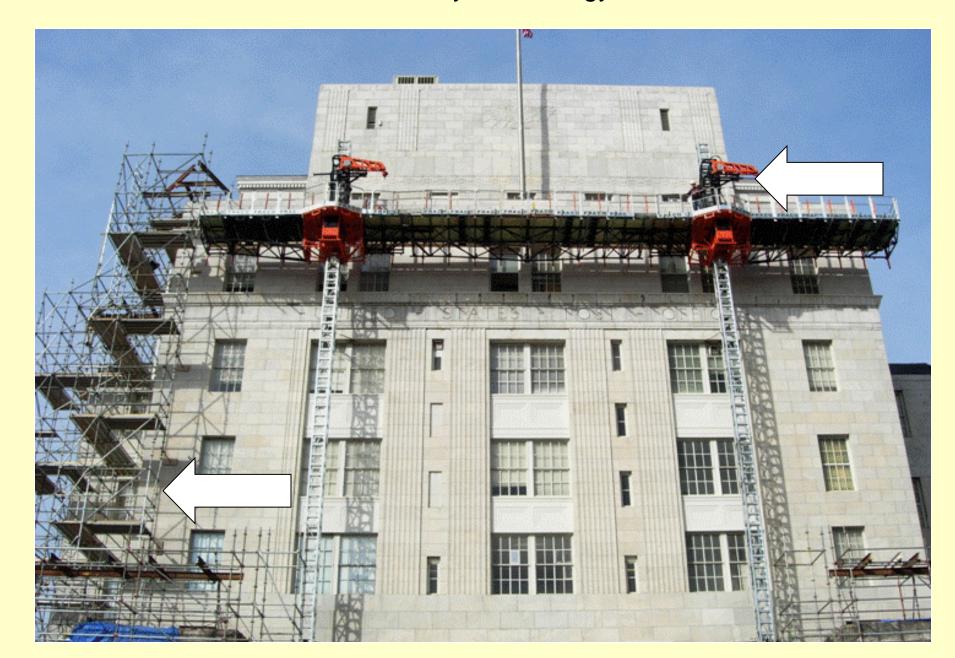
Best Practices for Health and Safety Technology Transfer in Construction



Best Practices for Health and Safety Technology Transfer in Construction MCWP – WHERE DID IT COME FROM?







ANALYSIS OF FEATURES AGAINST OTHER SIMILAR PRODUCTS

SCAFFOLDING	BOOMS/SCISSORS	MAST CLIMBERS
FOR: AGAINST	FOR: AGAINST	FOR:
Flexibility	Less Flexible	
Long Erection Time	Rental Ready	
Profiling Ability	Can't Profile	
Fixed Levels	Variable Height	
High Capacity	Low Capacity	
Large Footprint	Minimal Footprint	

SOME ASSEMBLY IS REQUIRED. INDUSTRY TRAINING COURSES AVAILABLE

ANALYSIS OF SAFETY BENEFITS

Apply the 'SO WHAT' factor.....

FLEXIBILITY SO WHAT!

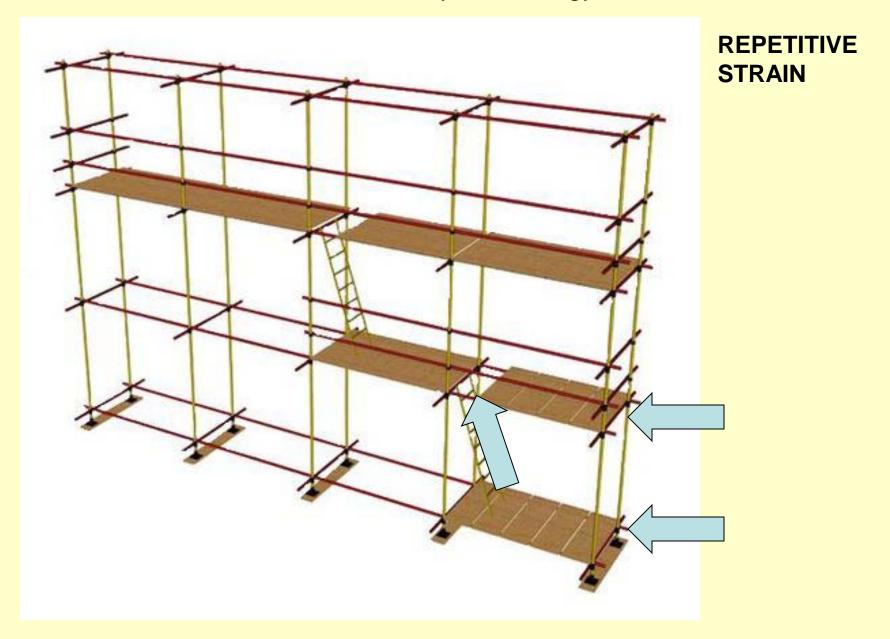
PROFILING ABILITY SO WHAT!

HIGH CAPACITY SO WHAT!

MINIMAL FOOTPRINT SO WHAT!

VARIABLE HEIGHT ABILITY IN CONJUCTION WITH ALL THE ABOVE

HOLD ON.....



NO LADDER CLIMBING

LAYING BRICK AT EXACTLY THE RIGHT HEIGHT, NO BENDING DOWN ANYMORE

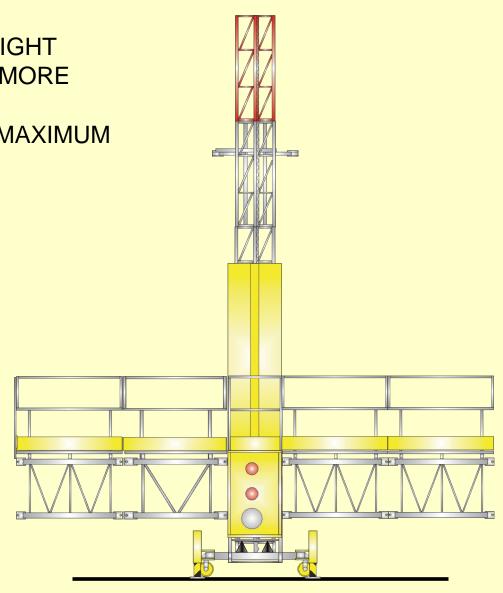
EYE LEVEL EXACTLY RIGHT FOR MAXIMUM QUALITY

INCREASED SPEED

INCREASED PRODUCTIVITY

INCREASED QUALITY

DECREASE IN REPTITIVE STRAIN INJURY





EARLY SUCCESS OF THE PRODUCT:

SWEDEN

BY 1995 25% OF NATIONAL ANNUAL SCAFFOLD BUDGET WAS TAKEN UP BY MAST CLIMBING WORK PLATFORMS

A MAST CLIMBER DIDN'T LOOK LIKE A SCAFFOLD, OR A SWINGSTAGE, OR A BOOM LIFT, BUT ALL THREE WERE LOSING MARKET SHARE TO A PRODUCT THAT WAS A DERIVATIVE OF ALL THREE.

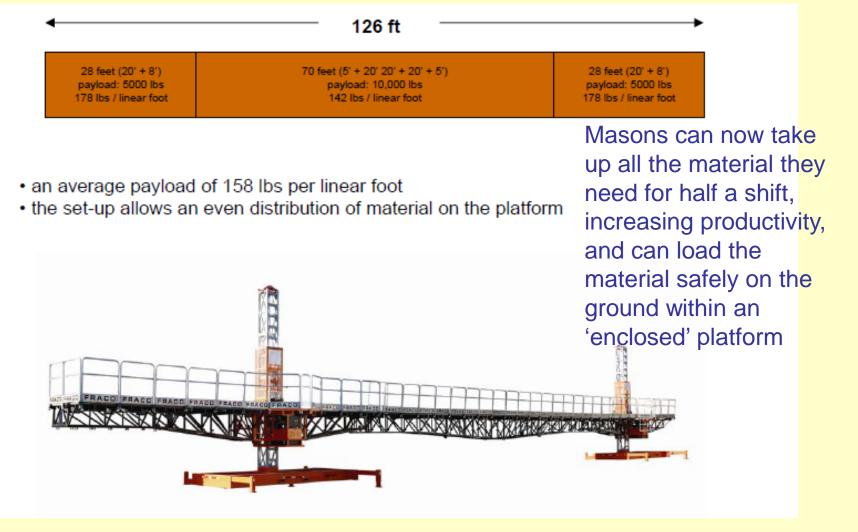
MANUFACTURERS BEGAN TO DISCOVER THAT PRODUCTIVITY WAS NOT ABOUT NUMBERS:

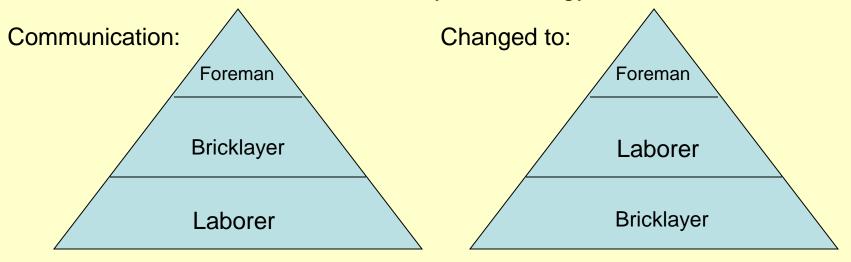
- •IT WAS ABOUT SAFETY
- •IT WAS ABOUT STABILITY
- •IT WAS ABOUT PLANNING
- •IT WAS ABOUT QUALITY
- •IT WAS ABOUT ERGONOMICS

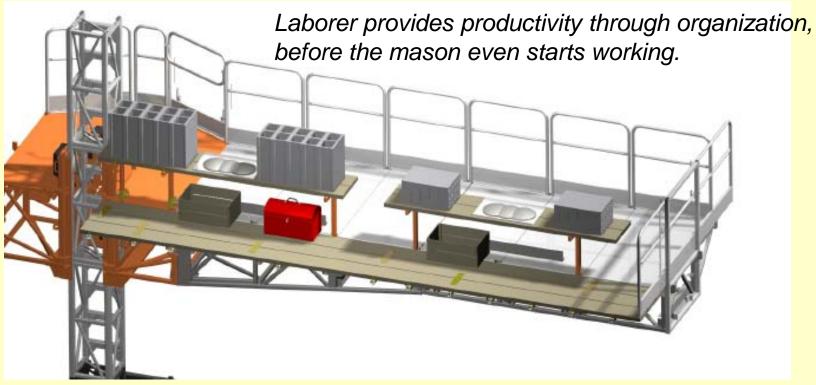


SAFE AND PRODUCTIVE – A WINNING COMBINATION

Manufacturers began to market safety and productivity together, and looked for further refinements to combine safe and productive.









THE STEP-DOWN PLATFORM

1962 Everett Rogers – Diffusion of Innovations

4 Main Elements That Influence the Spread of a New Idea:

The Innovation

Communication

Time

A Social System

A cynical 5th addition: PROFIT

Manufacturers have the perfect solution to increased use of the product when an innovation can:

INCREASE SAFETY

INCREASE PRODUCTIVITY

INCREASE QUALITY

INCREASE PROFITABILITY

MAST CLIMBERS ARE NOT A NEW IDEA, THEY'RE THREE OLD ONES

CONTINUAL IMPROVEMENTS IN SAFETY AND EGONOMICS HAVE FACILITATED INCREASES IN QUALITY, PRODUCTIVITY AND PROFIT.

SO, UPTAKE OF THE PRODUCT FUELLED BY 'PLAGIARISM WITH A CONSCIENCE'

Best Practices for Health and Safety Technology Transfer in Construction

