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Ideal Lifts Frame System for OFFSITE Construction



A photograph of a brick wall with a large rectangular opening in the center. The wall is constructed from light-colored bricks with dark mortar. The opening reveals a dark, textured interior surface. The text "The Industry Norm" is overlaid in a large, bold, black font across the center of the image.

The Industry Norm



The Industry Norm

Masonry lift shafts









The Industry Norm
Lots of deliveries







The background image shows a construction site. In the foreground, there are stacks of grey concrete blocks. In the center, a deep, narrow trench has been excavated into the ground, revealing a rough, uneven surface. The walls of the trench are also lined with concrete blocks. The overall scene suggests a construction project in progress, possibly related to the 'Access issues' mentioned in the text.

The Industry Norm

Access issues





The background image shows a construction site with a grid of steel reinforcement bars (rebar) set in concrete. The rebar is arranged in a rectangular pattern, forming a framework for a concrete structure. The concrete is a light gray color, and the rebar is a dark gray or black. The perspective is from above, looking down into the rebar grid. The text "The Industry Norm" is overlaid in black, and "Storage - Damages" is overlaid in red. The text is centered and occupies the middle portion of the image.

The Industry Norm Storage - Damages













The Industry Norm
Unsuitable storage















The Industry Norm

Installation - Pit



**48% of pits
will be full
of water or
leak during
installation**



**New lift pit
buffer as
installed**

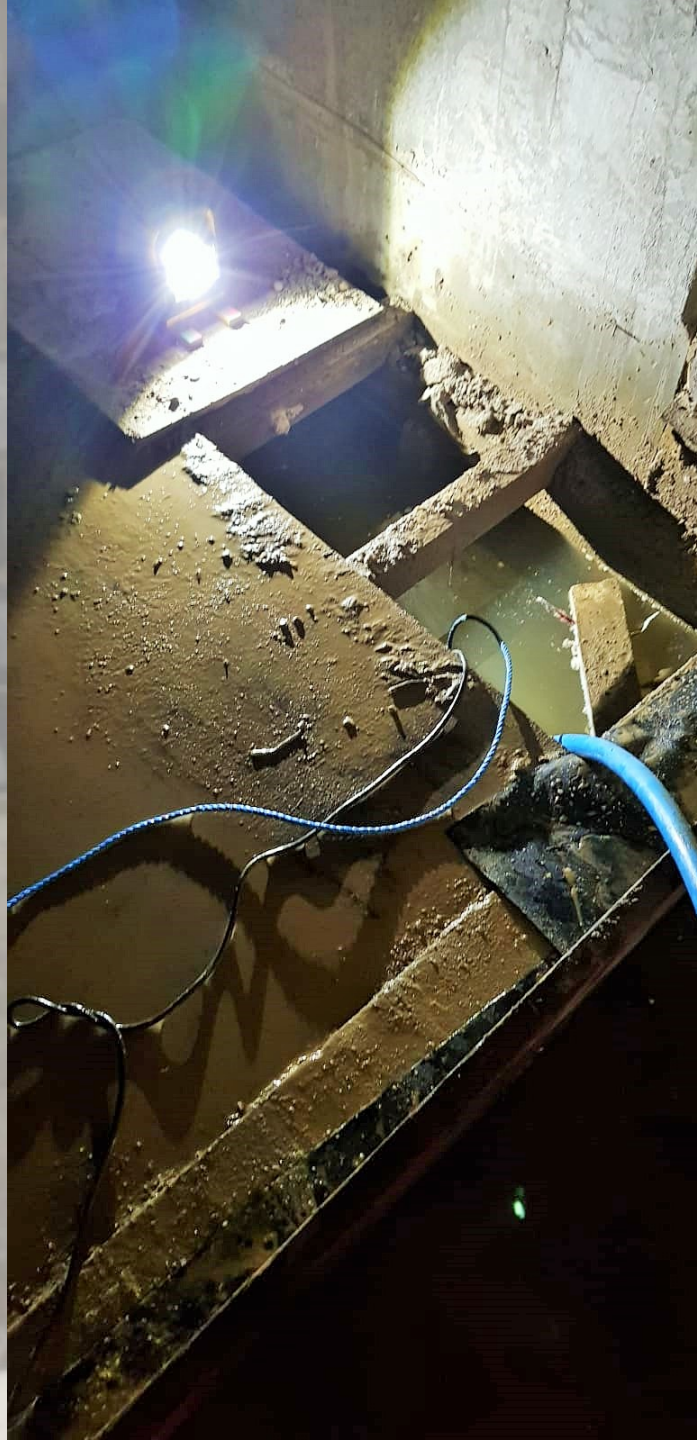


**Where is
it now?**





**After it was
drowned**



**Not ideal
conditions
to install a
lift...**



The Industry Norm

Installation – Lift shaft

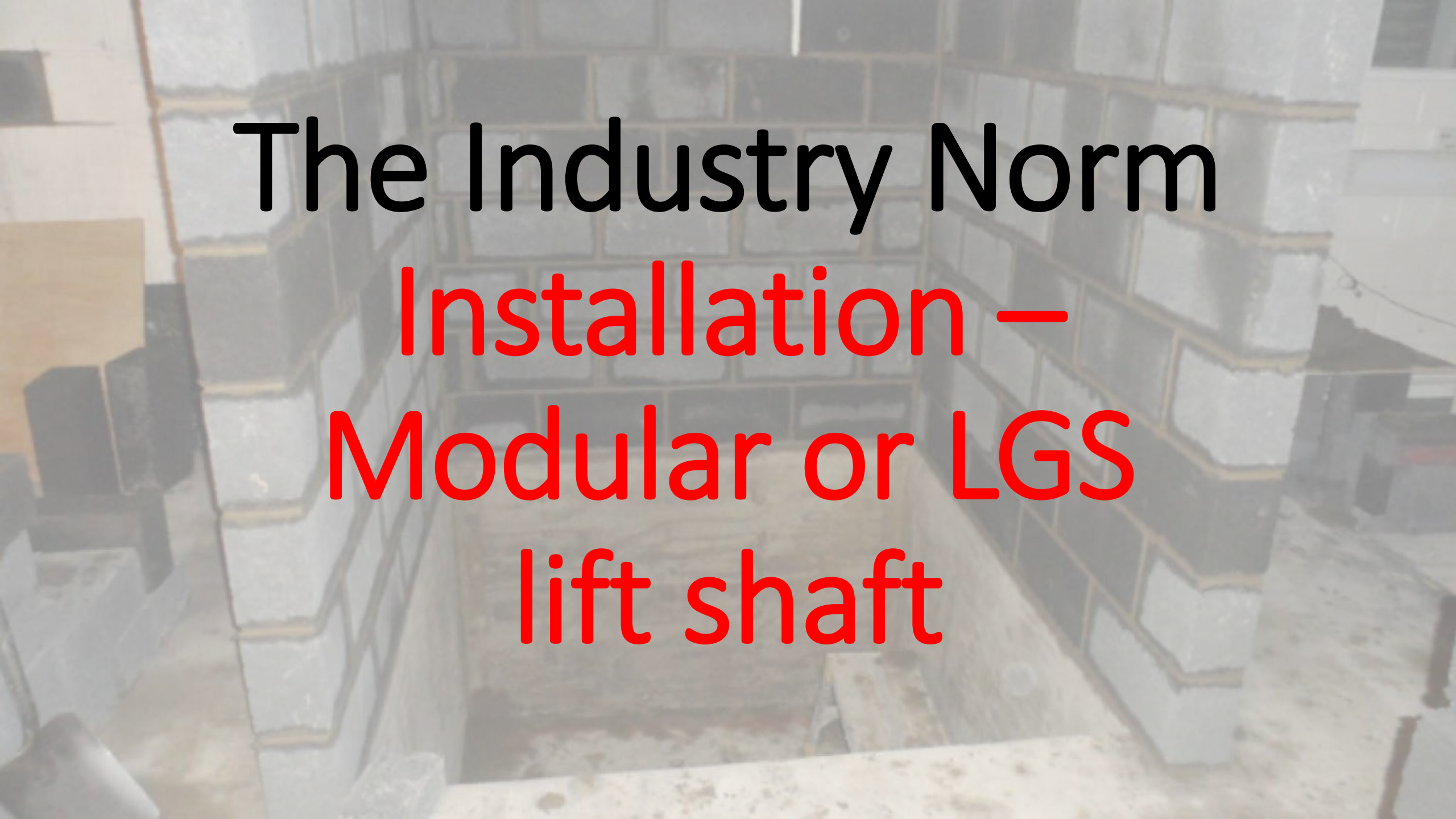




**Less than
stable walls
to fix a lift
on to**

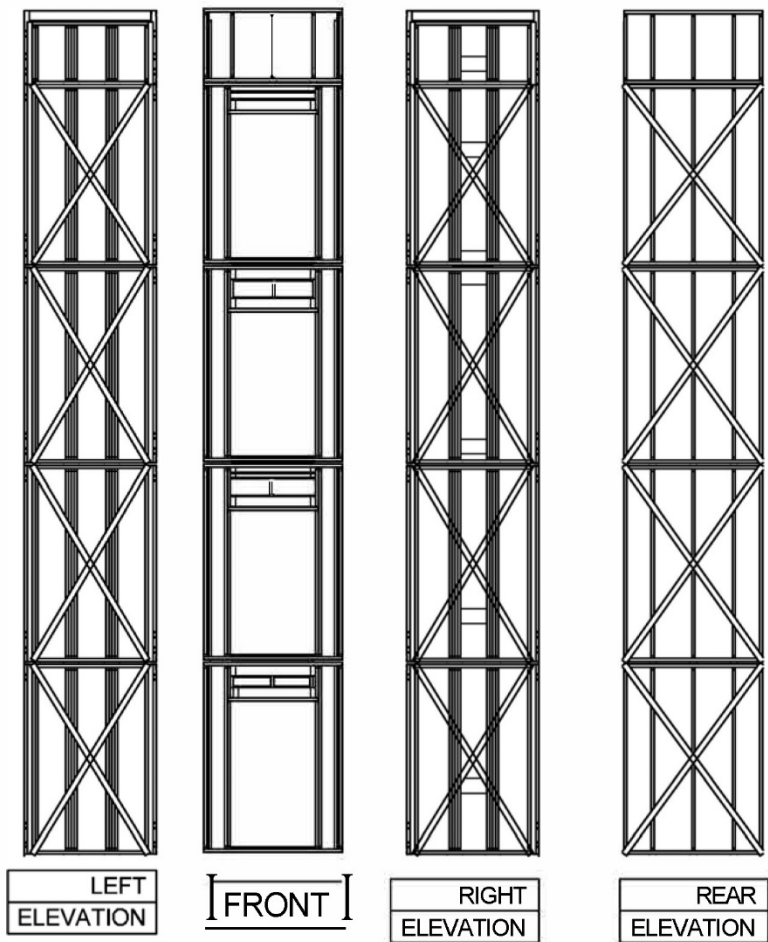
**The things we
find on top of
our lifts**



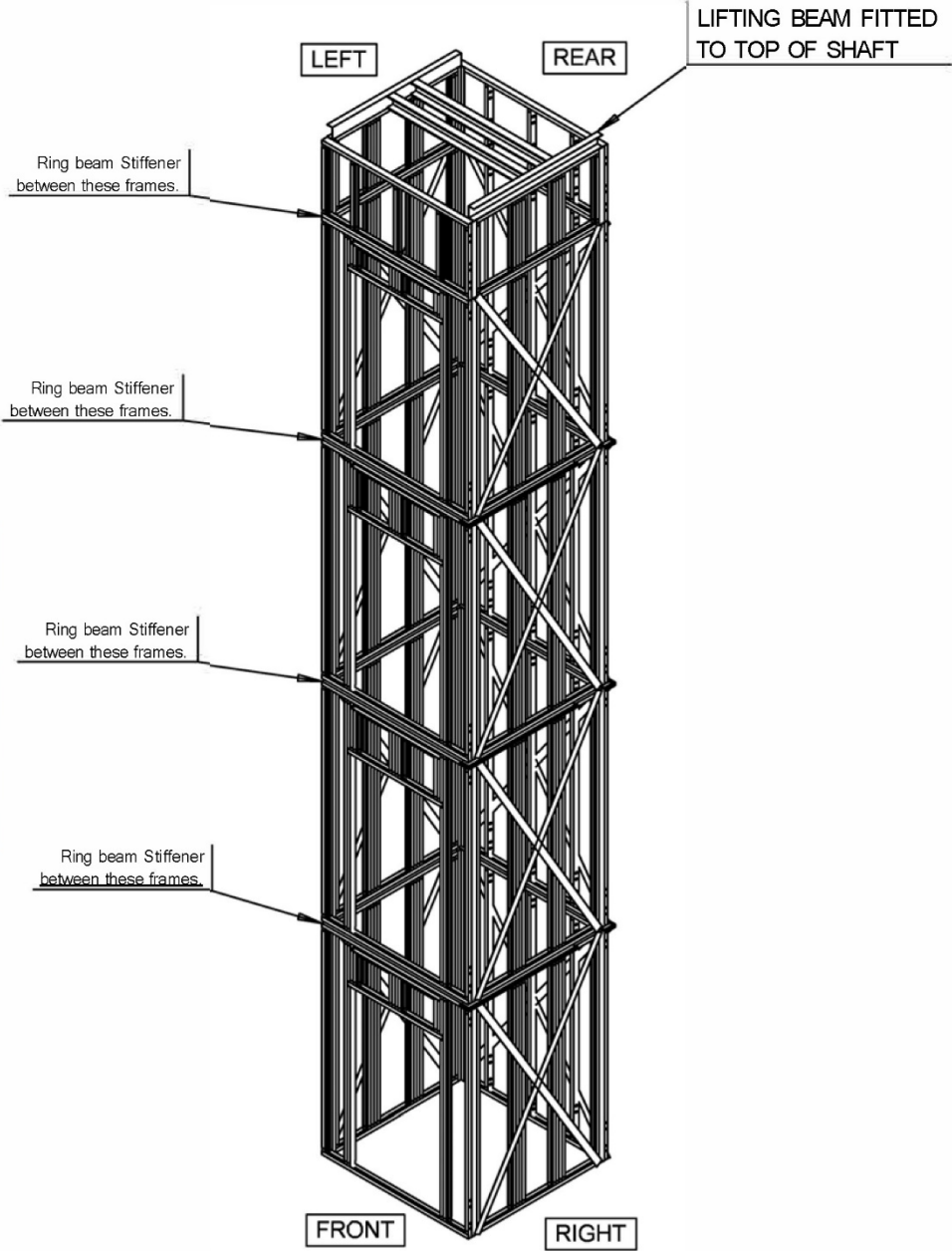


The Industry Norm Installation – Modular or LGS lift shaft

- 1. Conventional four floor bespoke LGS lift shaft illustrated.
- 2. See Ideal Lift frame literature and data sheet to replace bespoke shaft **enabling standard LGS panels to be used.**



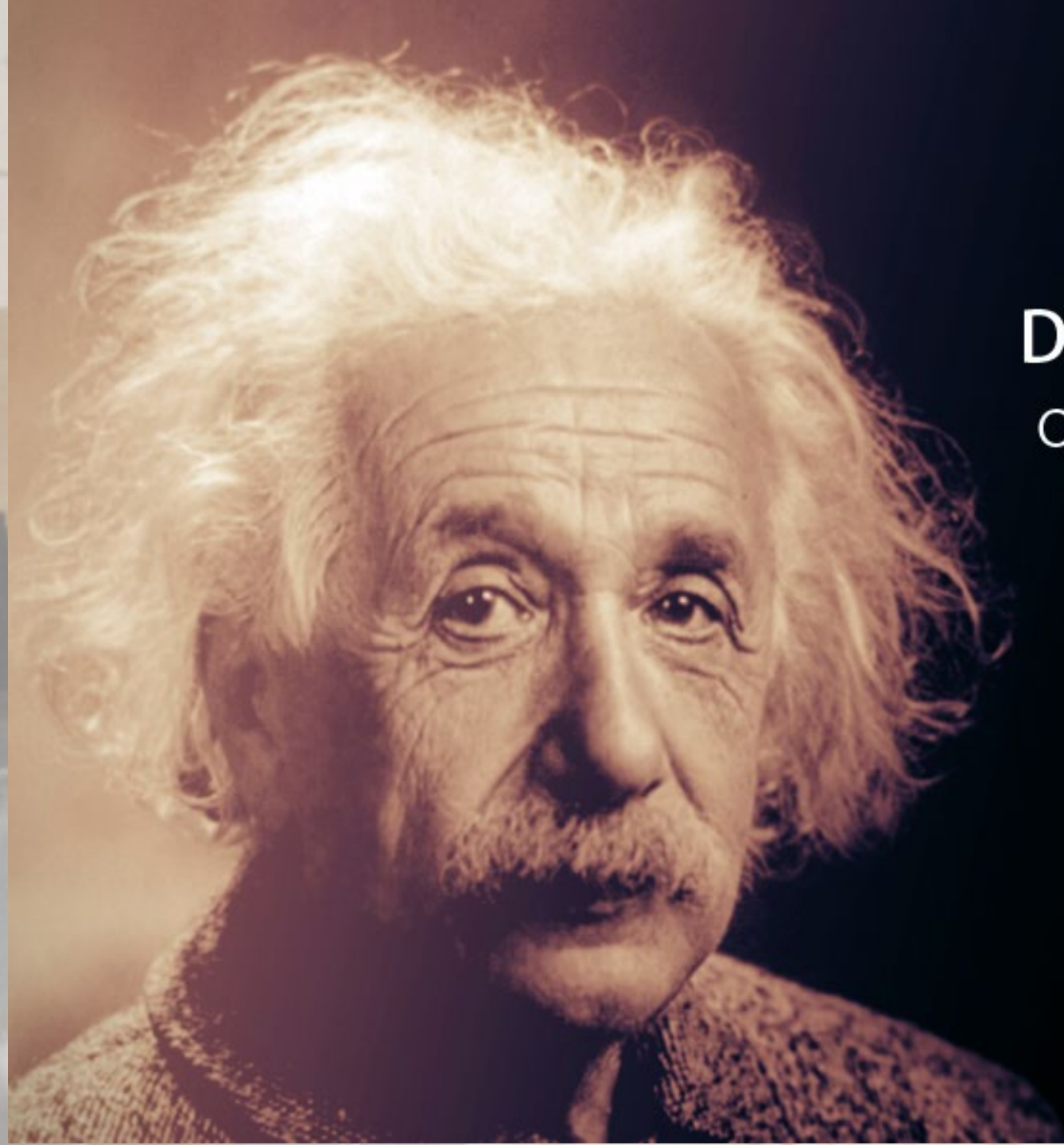
TYPICAL 18 HALFEN
PLATES OMITTED FROM
DRAWING











INSANITY:
Doing the same *thing*
over and over again
and expecting
different results.

ALBERT EINSTEIN

The Industry Norm:

What does it mean for you?



✗ Damages

**✗ Long installation times /
Delays**

✗ Poor quality

✗ Increased costs





The 'Ideal' Way

A different approach



Click on image
to view video

Traditional Installation Vs **Frame** Installation



Vs





[Click on image
to view video](#)

Ideal Passenger Lift & Frame System
for OFFSITE Construction including
Modular, **Light Gauge Steel** and **Timber**.

Light weight shaft contribution



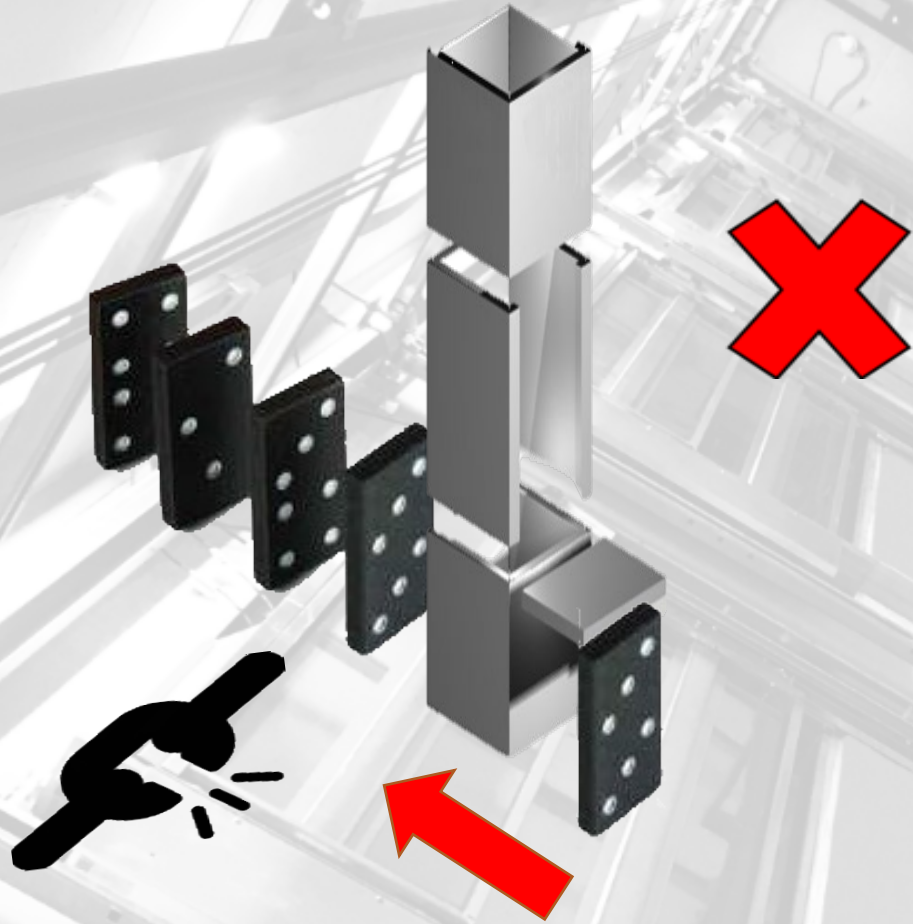
- ✓ 95% lighter than pre-cast shaft construction
- ✓ Reduction in foundation costs
- ✓ Overbuild projects
- ✓ Cost competitive



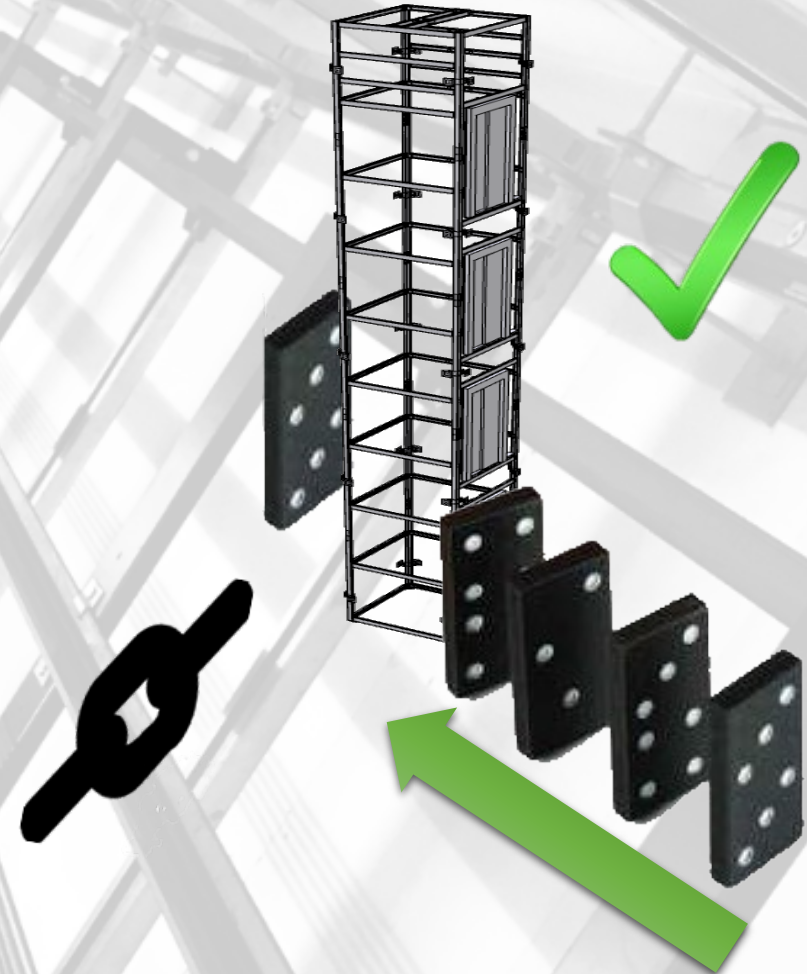
Program Implications



Delays to achieving critical construction programme



Pre-cast concrete shafts at beginning of construction



Fast installed frame later in the programme

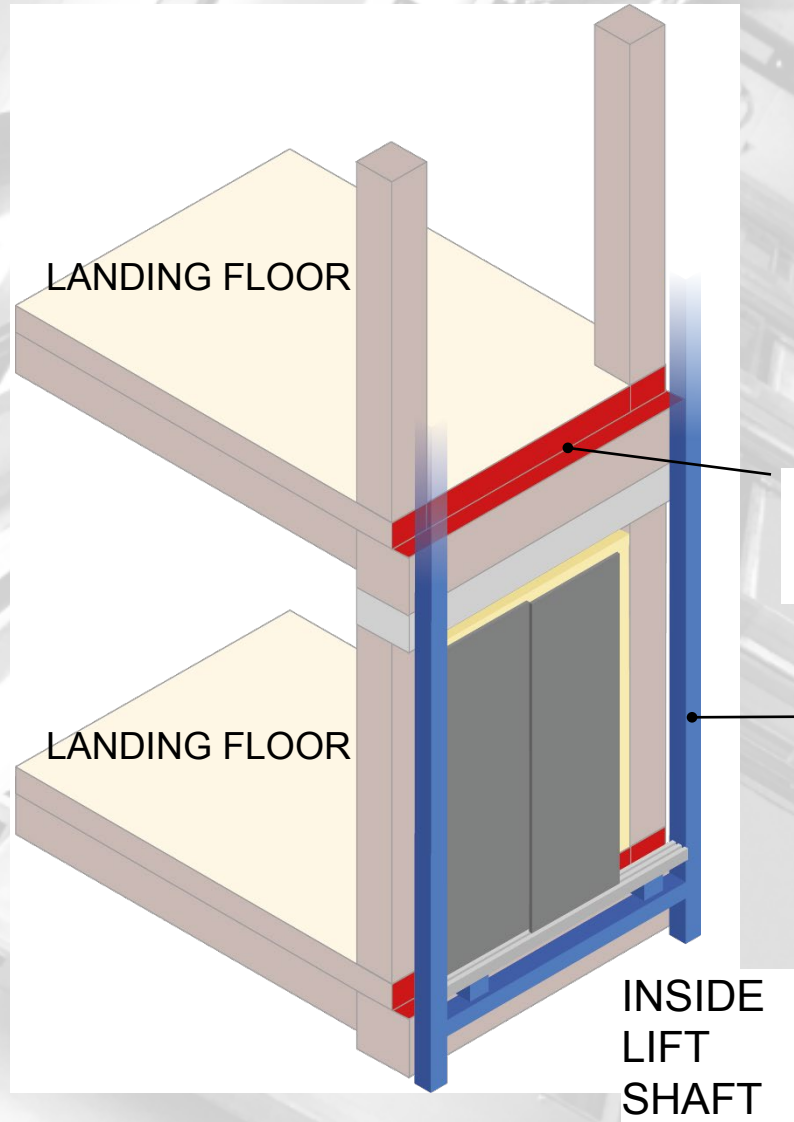
Traditional Installation Vs **Frame** Installation



Vs



Collaborative approach. Simpler for others



THRESHOLD
REBATE, not
always fire lined

IDEAL LIFTS
FRAME
SYSTEM

INSIDE
LIFT
SHAFT



Old design
complicated
and difficult
to fire line

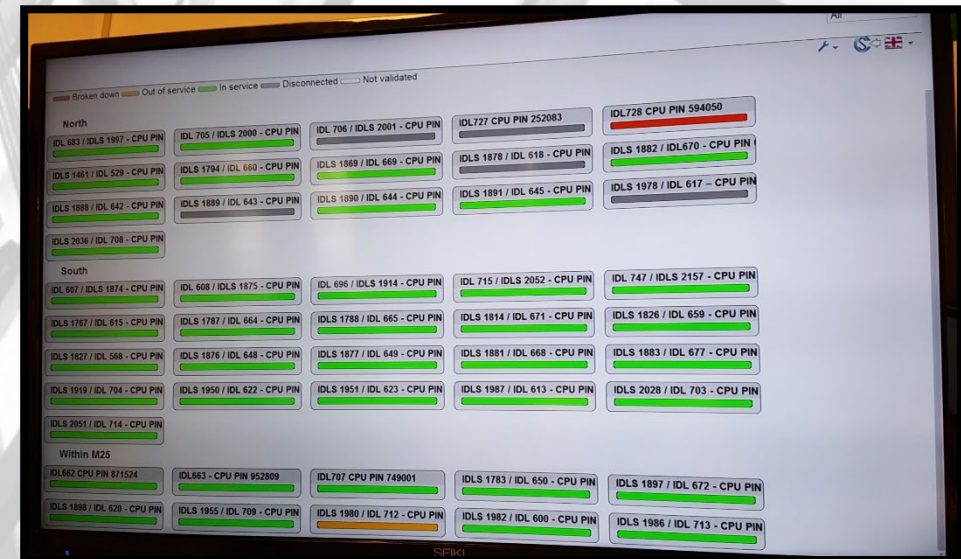
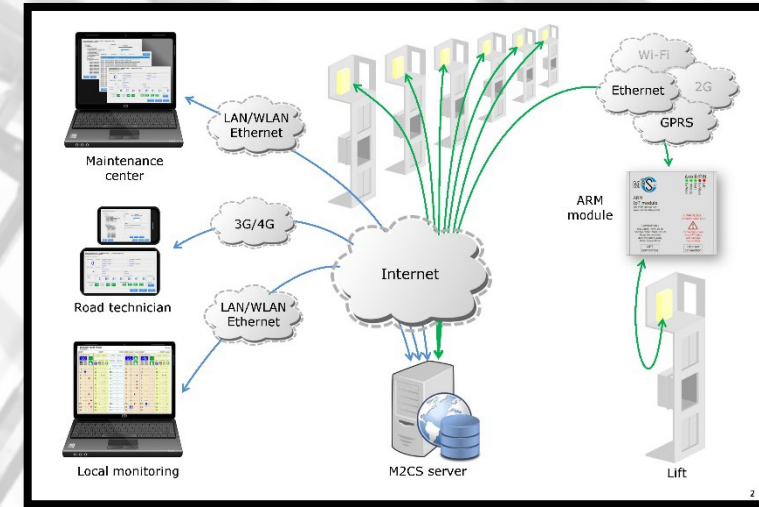


New design,
simpler for all
to improve
fire safety

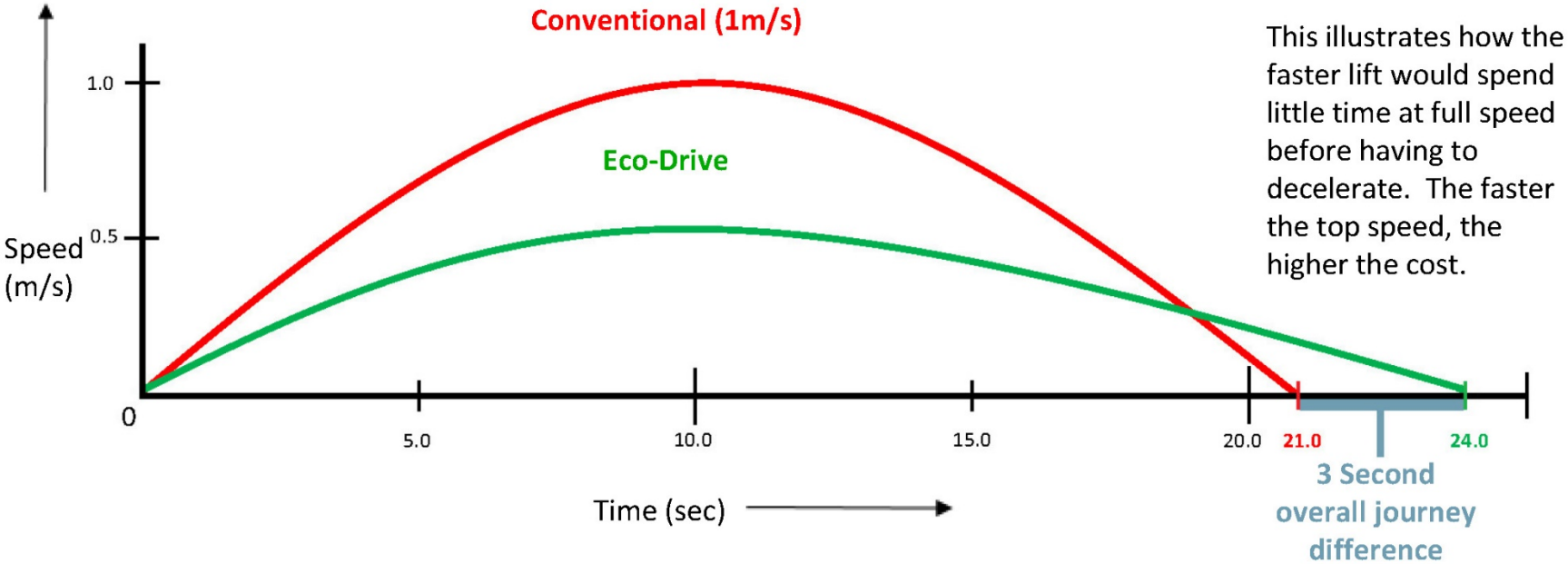
ARM (Automatic Remote Monitoring) System



- ✓ Monitor and manage your site remotely 24/7
- ✓ Reduction in site visits - CO₂
- ✓ Improve operational efficiency and safety
- ✓ Analyse trends to improve whole life costs



Innovations – Energy efficiency IL3 Eco-Drive



	Lift speed	Power supply	Acceleration time	Acceleration distance	Deceleration time	Deceleration to stopping	Total journey time	Drive power
Eco-Drive	0.5 m/s	Single phase 240 V	3.0s	400mm	4.0s	1000mm	24s	1.8 kw
Eco-Drive	0.5 m/s	Three phase 415 V	3.0s	400mm	4.0s	1000mm	24s	1.8 kw
Conventional	1.0 m/s	Three phase 415 V	4.0s	750mm	5.0s	1800mm	21s	2.45 kw

Illustration above based on an IL4 8 person (630kg) traction (MRL) over 4 floors

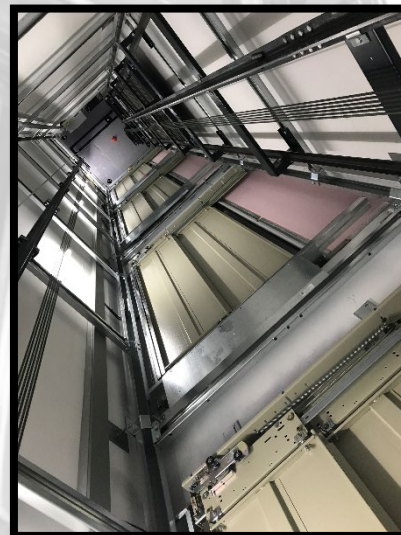
Fast Track Programme



- ✓ Pre-manufactured
- ✓ Standard design
- ✓ Ideal Lifts Frame System
- ✓ Reduced lead times
- ✓ Consistent quality



Click on image
to view video



The Ideal Way:

What does it mean for you?

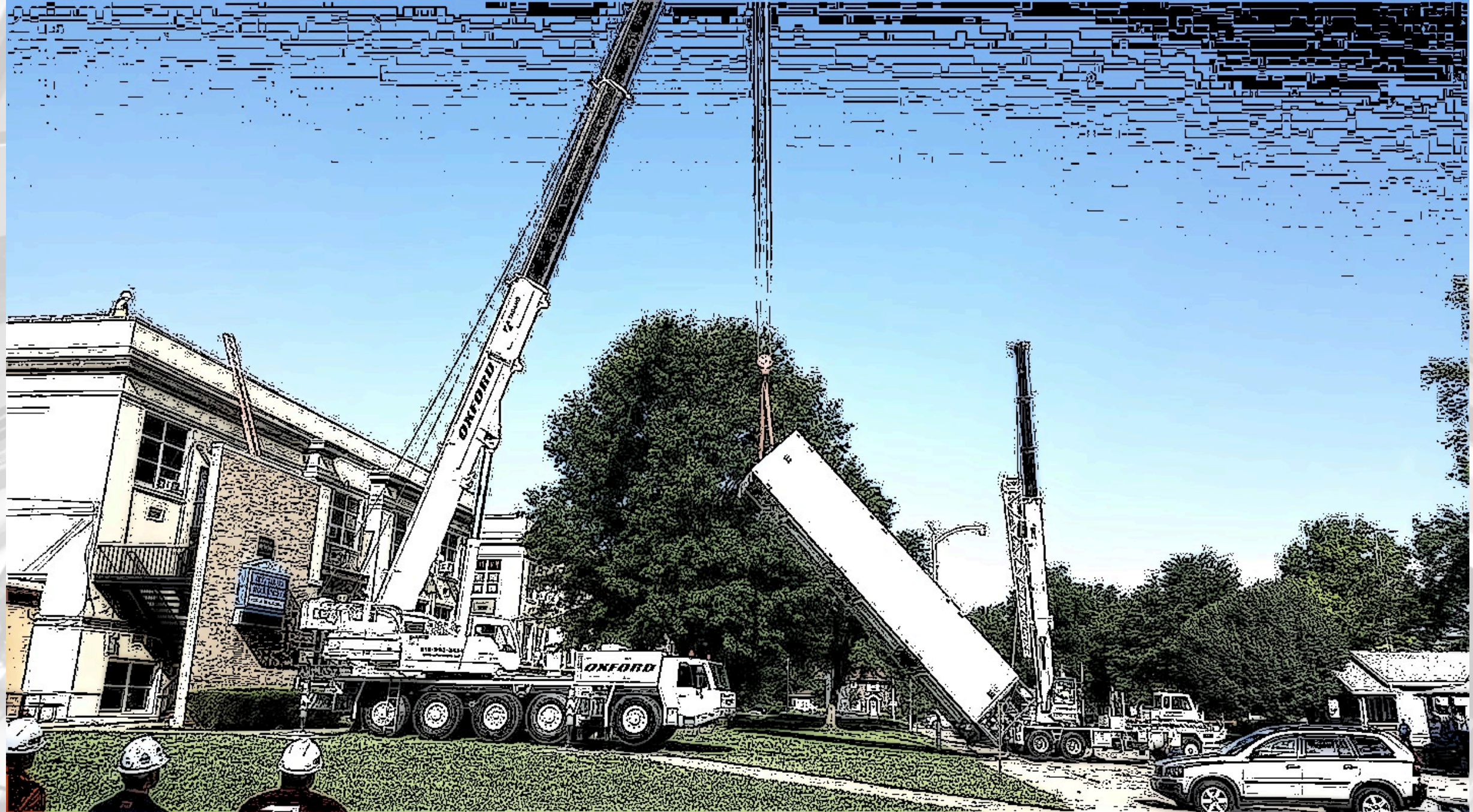


- ✓ Reduced lift installation times
- ✓ Improved quality & site safety
- ✓ Reduced overall project & whole life costs
- ✓ Making offsite wall panel manufacture and on site assembly easier





The Way Forward?



[Click on image to view video](#)

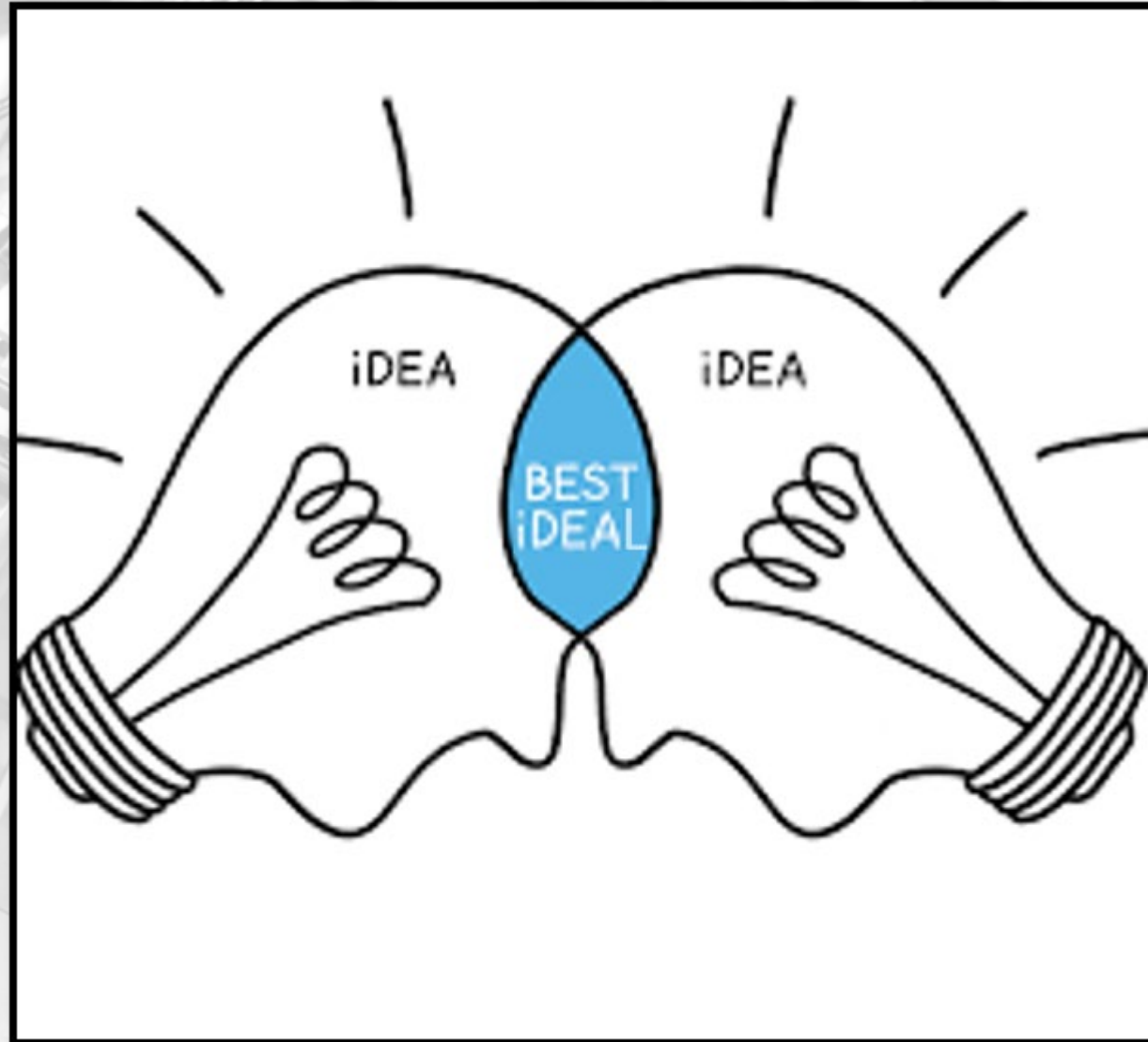
The Way Forward: What does it mean for you?



- ✓ Lift supplied as whole module
- ✓ 90% quicker on site
- ✓ Improved quality & site safety
- ✓ True OFFSITE
- ✓ Collaboration



The Way Forward: **Your thoughts?**





Quality is never an accident; it is always the result of intelligent effort.

John Ruskin

Gary Bright



David Whorwood



Thank you for your time

