Ideal Lifts Frame System for OFFSITE Construction
The Industry Norm
The Industry Norm
Masonry lift shafts
The Industry Norm
Lots of deliveries
The Industry Norm

Access issues
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.
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.
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
A different approach

Click on image to view video
Traditional Installation Vs Frame Installation

2-4 Weeks vs 2-4 Days
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
Collaborative approach. Simpler for others

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

This illustrates how the faster lift would spend little time at full speed before having to decelerate. The faster the top speed, the higher the cost.

<table>
<thead>
<tr>
<th>Lift speed</th>
<th>Power supply</th>
<th>Acceleration time</th>
<th>Acceleration distance</th>
<th>Deceleration time</th>
<th>Deceleration to stopping</th>
<th>Total journey time</th>
<th>Drive power</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eco-Drive</td>
<td>Single phase 240 V</td>
<td>3.0s</td>
<td>400mm</td>
<td>4.0s</td>
<td>1000mm</td>
<td>24s</td>
<td>1.8 kw</td>
</tr>
<tr>
<td>Eco-Drive</td>
<td>Three phase 415 V</td>
<td>3.0s</td>
<td>400mm</td>
<td>4.0s</td>
<td>1000mm</td>
<td>24s</td>
<td>1.8 kw</td>
</tr>
<tr>
<td>Conventional</td>
<td>Three phase 415 V</td>
<td>4.0s</td>
<td>750mm</td>
<td>5.0s</td>
<td>1800mm</td>
<td>21s</td>
<td>2.45 kw</td>
</tr>
</tbody>
</table>

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?
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
Thank you for your time