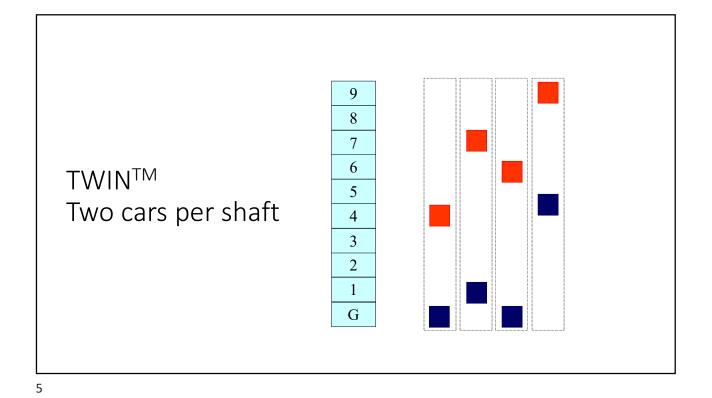
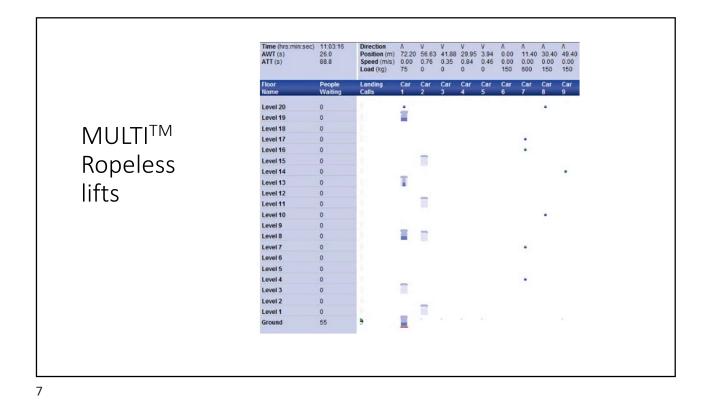


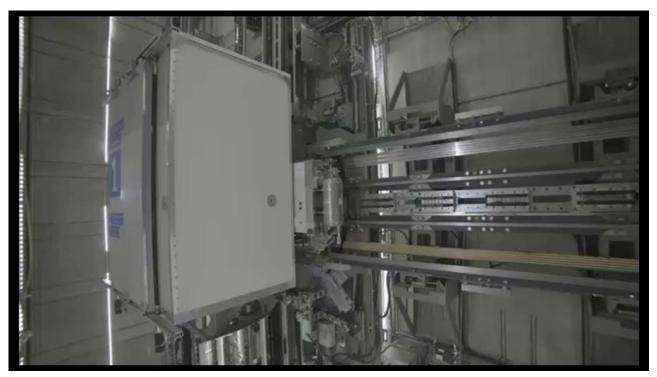
Building dispatching algorithms for simulation since 1986 Consultant to ThyssenKrupp (now TK Elevator) TAC 50 Destination Control & Hybrid Destination Control



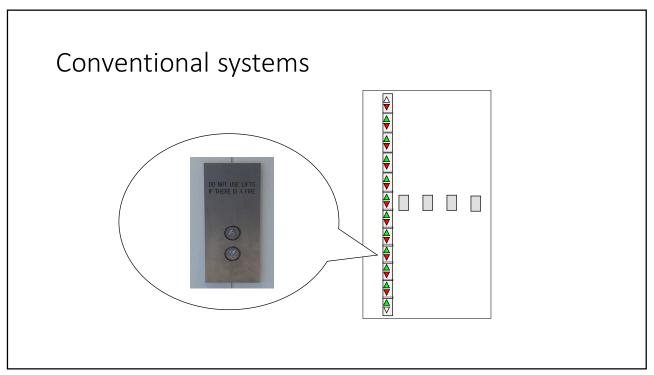


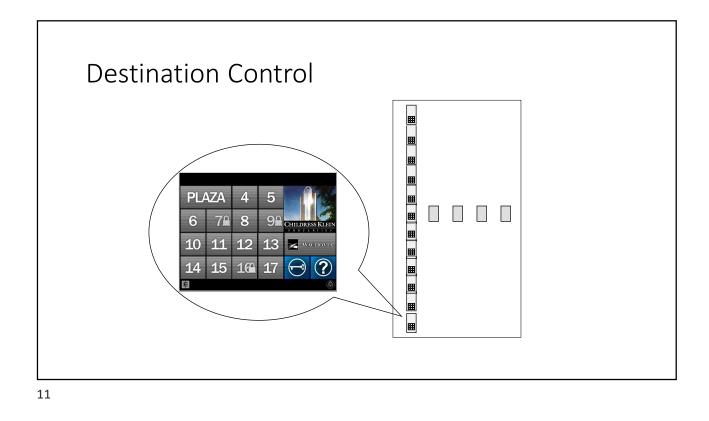


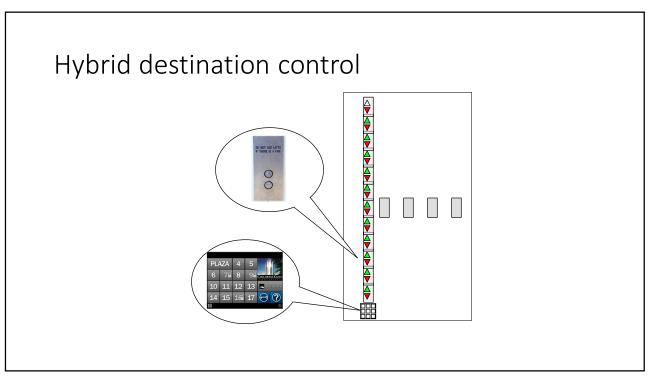


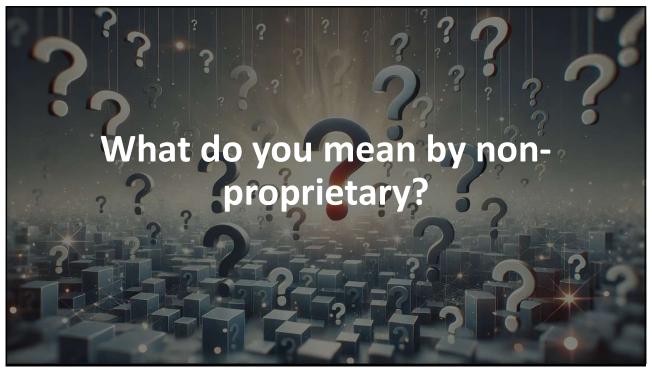


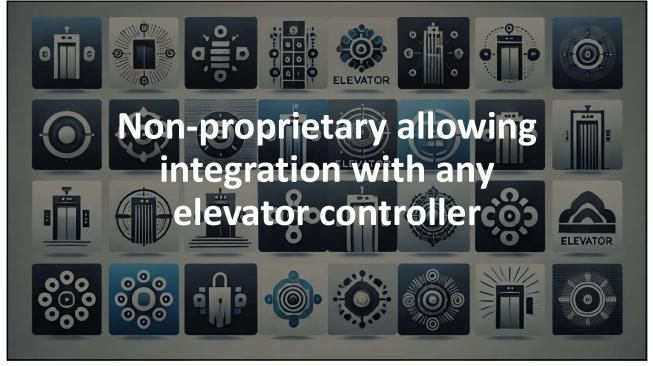








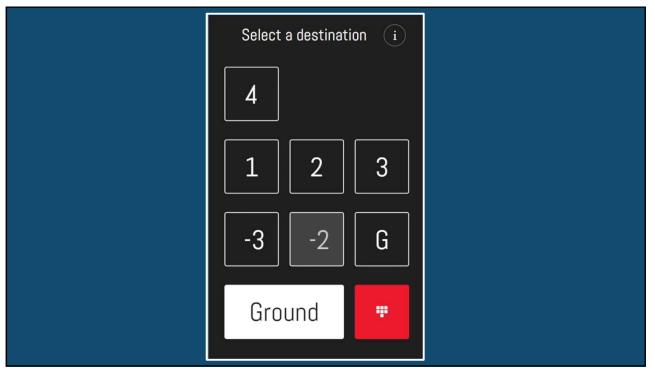


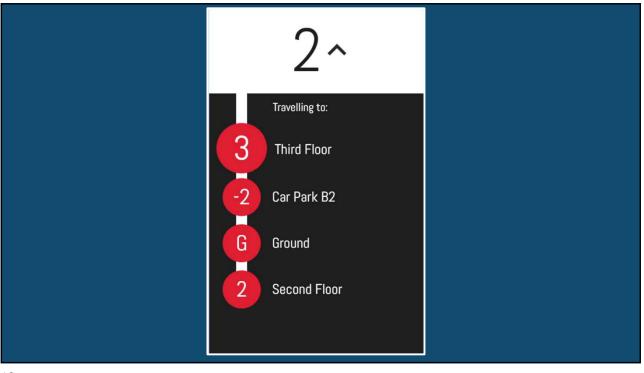




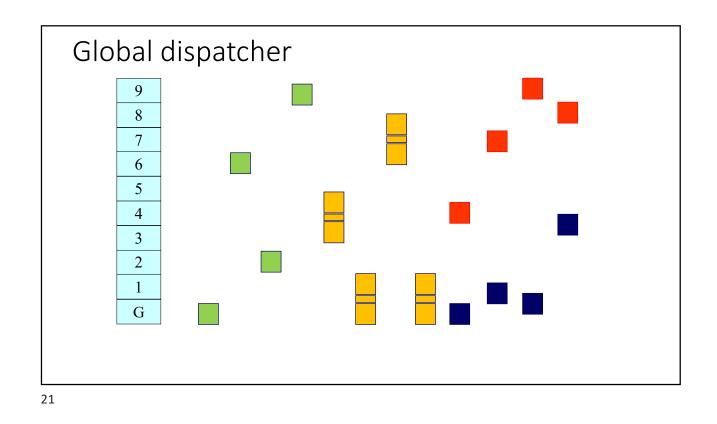








| Time (hrs:min:sec) | 00:15:09 | Direction      | $\wedge$ | V       | $\wedge$ | $\wedge$ | $\wedge$ | ~       |
|--------------------|----------|----------------|----------|---------|----------|----------|----------|---------|
|                    |          | Position (m)   | 15.20    | 34.20   | 22.80    | 16.38    | 0.00     | 30.40   |
|                    |          | Velocity (m/s) | 0.00     | -0.00   | 0.00     | 1.56     | 0.00     | 0.00    |
|                    |          | Load (kg)      | 300.00   | 375.00  | 150.00   | 150.00   | 225.00   | 75.00   |
| Floor              |          | Landing Calls  | Shaft 0  | Shaft 1 | Shaft 2  | Shaft 3  | Shaft 4  | Shaft 5 |
| Level 12           |          |                |          |         |          |          |          |         |
| Level 11           |          |                | •        |         |          |          |          |         |
| Level 10           |          |                | •        | T       |          |          | •        |         |
| Level 9            |          |                |          |         | •        |          |          |         |
| Level 8            |          |                |          |         |          |          | •        | 1811    |
| Level 7            |          |                |          |         | Ĩ        | •        |          |         |
| Level 6            |          | •              | •        |         |          | <b>•</b> |          |         |
| Level 5            |          |                |          |         |          |          |          |         |
| Level 4            |          |                |          |         |          |          | ٠        |         |
| Level 3            |          |                |          |         |          |          |          |         |
| Level 2            |          |                |          | ٠       |          |          |          |         |
| Level 1            |          |                |          | •       |          |          | 1        | •       |





Why?

Development and maintenance of 14 different algorithms

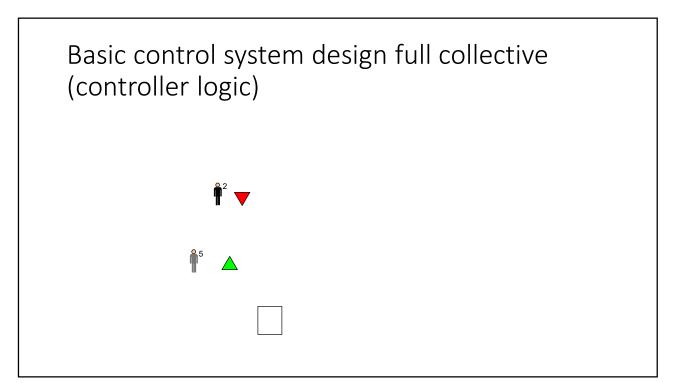
Only want to write one

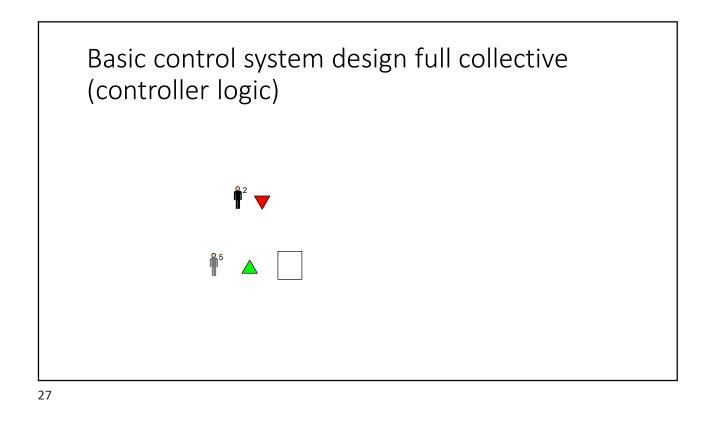
Address issues become aware of after 37 years

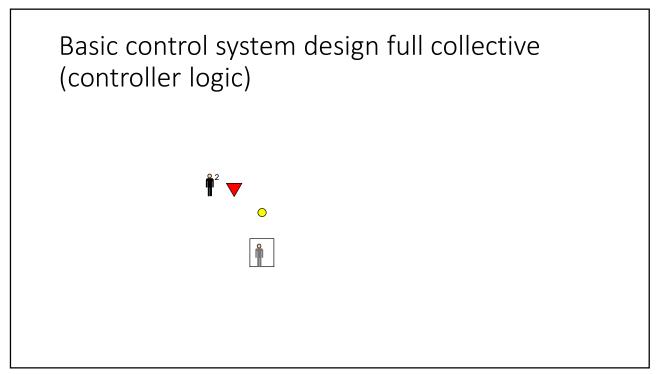
It can be done

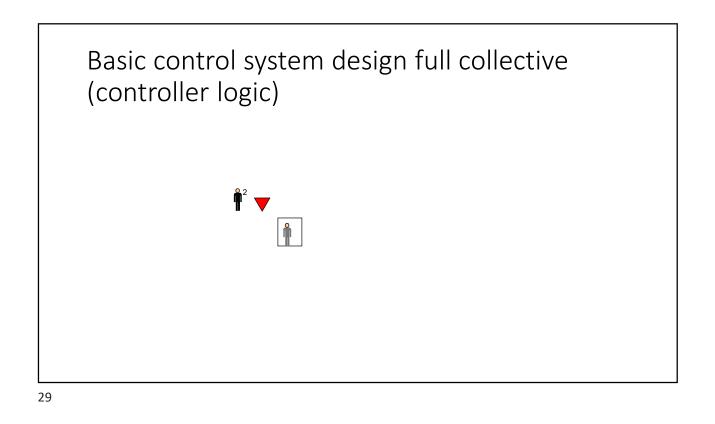


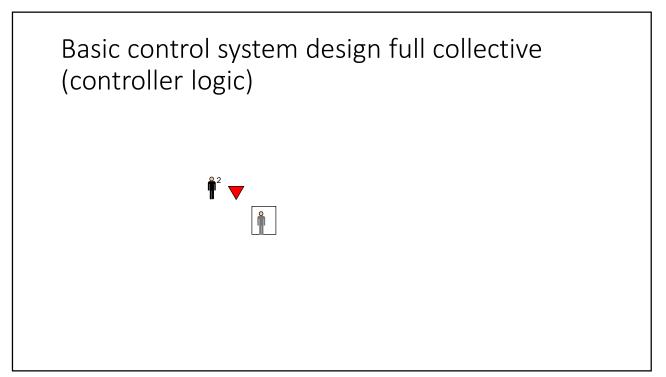


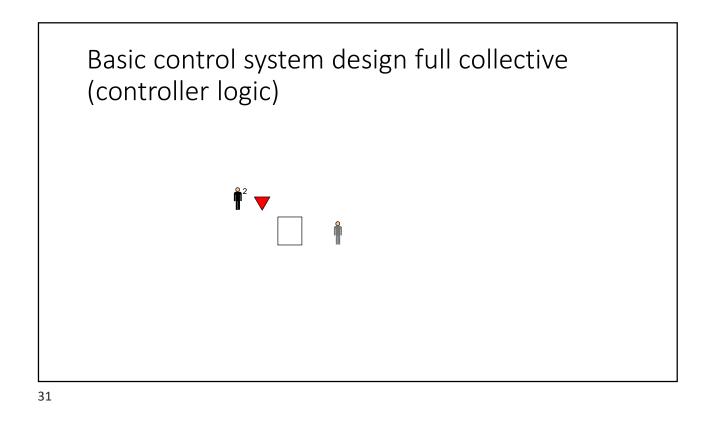


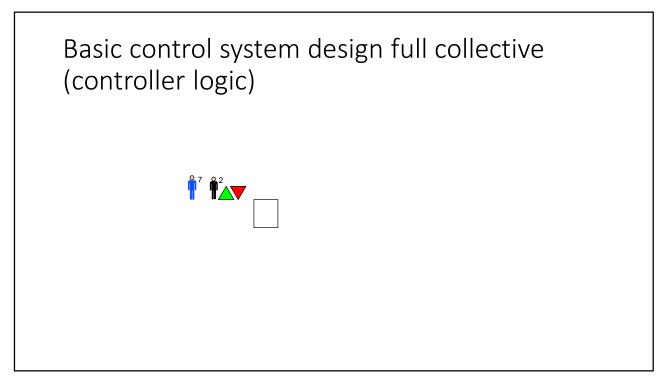


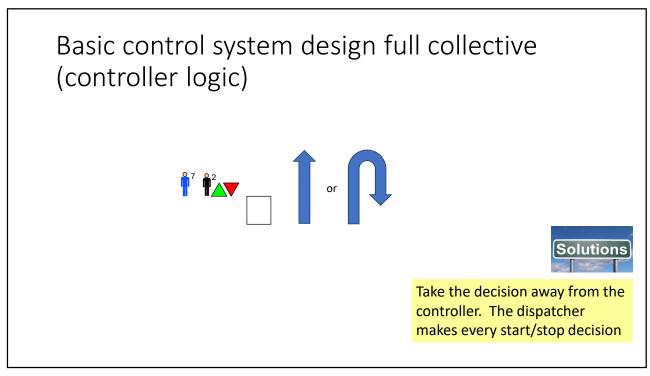




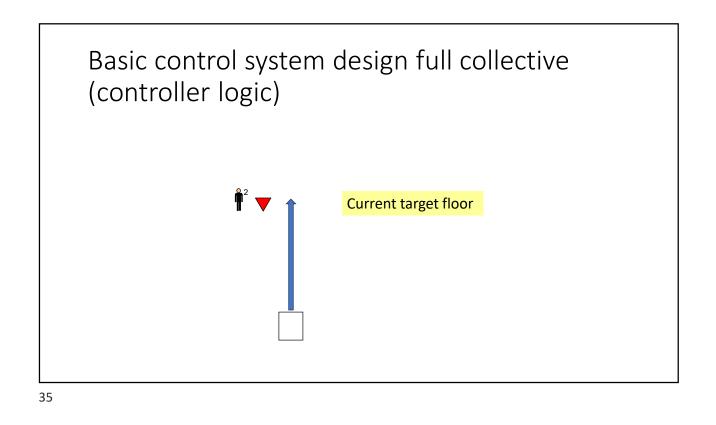


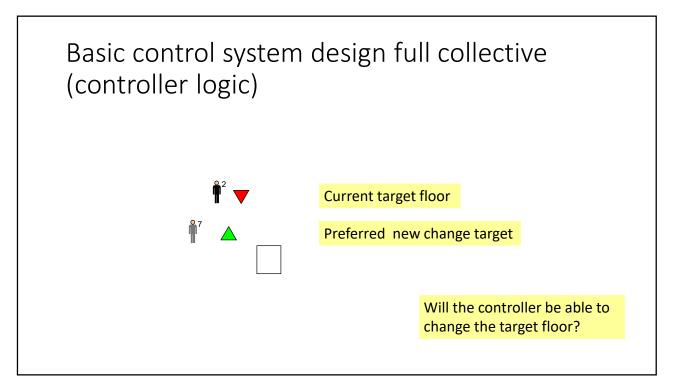








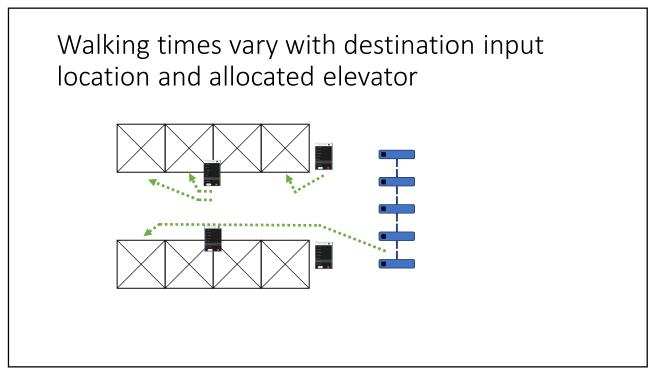


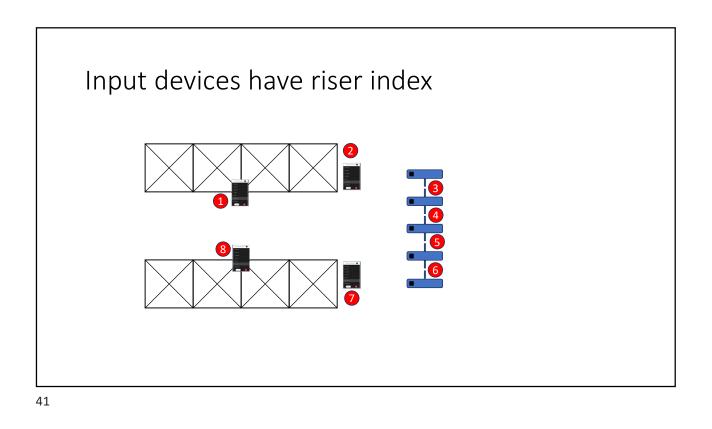






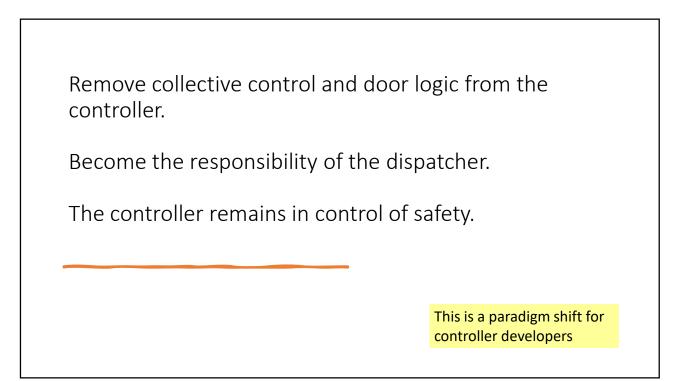


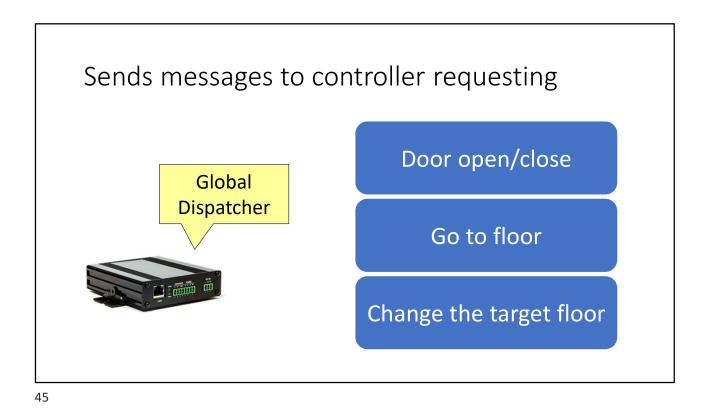


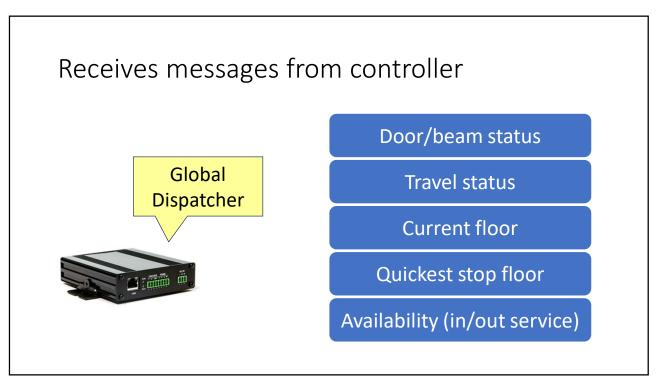


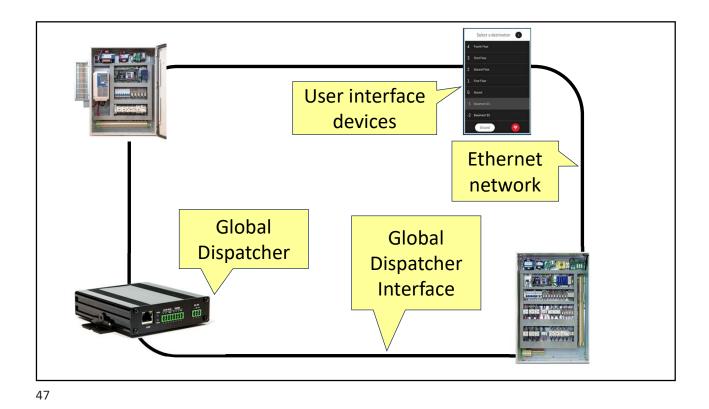
|   | Walking times table required |         |         |         |         |         |         |         |         |
|---|------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|
|   |                              | Riser 1 | Riser 2 | Riser 3 | Riser 4 | Riser 5 | Riser 6 | Riser 7 | Riser 8 |
| - | 4                            | 4       |         | Hiser S |         | Hiser 5 | Hiser o | HIJCT 7 | Hiser o |
| E | 3                            | 2       |         |         |         |         |         |         |         |
| ( | C                            | 2       |         |         |         |         |         |         |         |
| I | 2                            | 4       |         |         |         |         |         |         |         |
|   | E                            | 5       |         |         |         |         |         |         |         |
|   | F                            | 3       |         |         |         |         |         |         |         |
| ( | 3                            | 3       |         |         |         |         |         |         |         |
| ł | ł                            | 5       |         |         |         |         |         |         |         |
|   |                              |         |         |         |         |         |         |         |         |
|   |                              |         |         |         |         |         |         |         |         |
|   |                              |         |         |         |         |         |         |         |         |



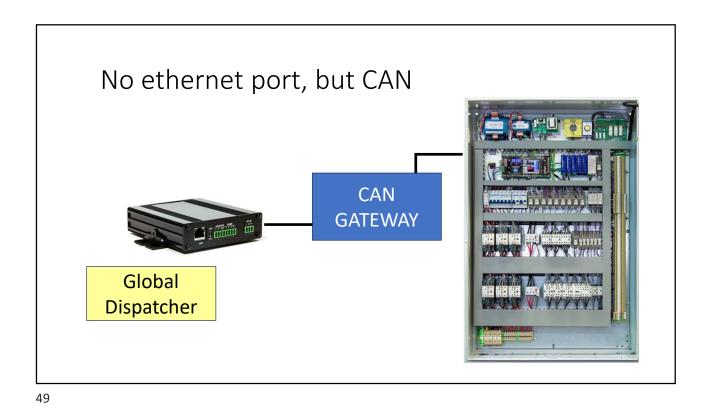


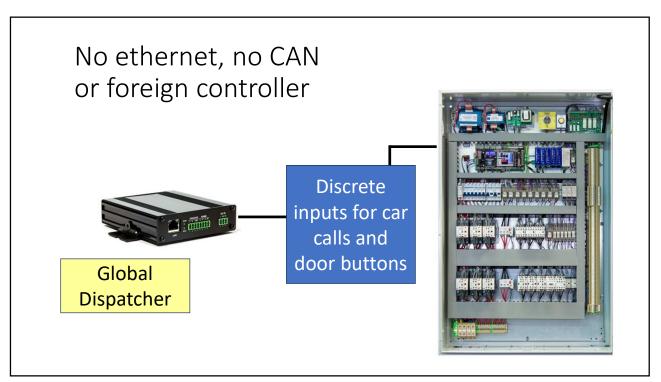


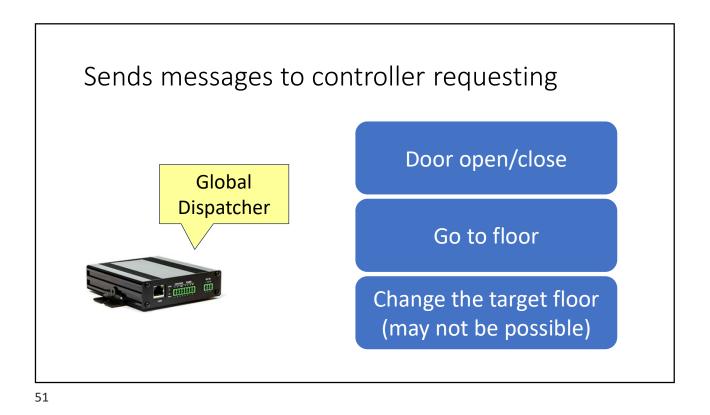


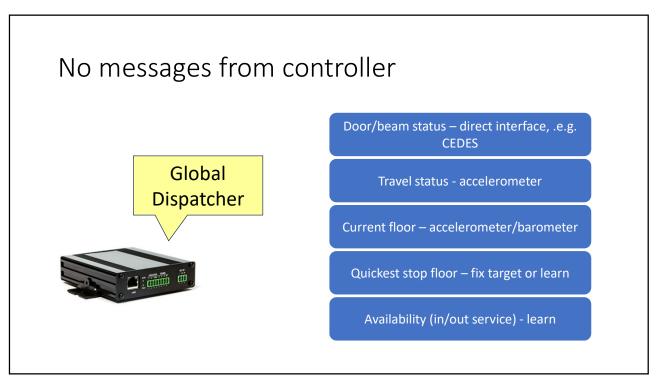


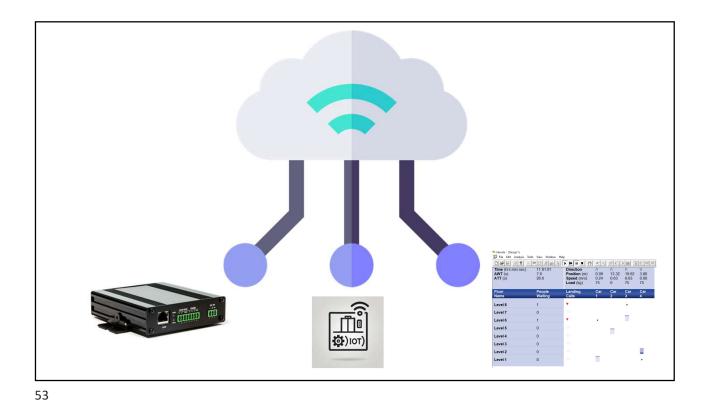












Non-<br/>proprietary<br/>destination<br/>control<br/>applying<br/>Global<br/>DispatcherEarly versions in Elevate 9Early versions in Elevate 9Some features still under development, to be<br/>completed for Elevate 10 (2025)Partnered with Lester Controls in 2015 for proof<br/>of concept development in UK. Launched 2022.UK Installations 2023/2024. International<br/>partners from 2025 Q4.