

4i SA The way to structure

4i is a Luxembourgish company specialized in the implementation of logistic solutions for small and large companies working in sectors such as industry, healthcare, aviation and delivery in Luxembourg, Belgium, and France. With over 25 years of experience, 4i became a leader in providing robust applications for mobile devices to give mobility to its customers.

About 4i

4i is a direct partner with manufacturers such as Zebra, Honeywell, and Panasonic to provide the right equipment such as scanners, printers, labels, rugged mobile devices. Over the years, 4i has developed its own software solutions designed to make process digitalization possible.

" Thanks to the rapid handling of the ZK framework, 4i has created 3 innovative products in less than 3 years. "

ZK to extend the 4i range of applications.

By using ZK, 4i offers a global software solution including a modern web interface linked to its mobile applications. Thanks to the rapid handling of the ZK framework, 4i has created 3 new innovative products in less than 3 years.

- 4check: Digitization of checklists.
- 4food: Traceability for food manufacturing.
- 4assets: Traceability and asset tracking.

Why ZK

All 4i software is developed in JAVA, and it was a requirement to integrate a web interface also developed in Java. ZK corresponded exactly to this criterion and its great strength is to provide a powerful framework which manages the graphic part. This allowed our engineers to focus mainly on the business logic and not on the graphical components.

ZK in aviation

Our product 4check is used by a Luxembourgish company in charge of cargo aircraft loading and unloading operations at Luxembourg airport. Our 4check software has been successfully implemented and enables the monitoring of more than 12,000 operations per month.

“ZK’s tree component made it possible to create complex checklist structures.”

The ZK interface makes it possible to manage the system settings but also to visualize in real time, generate and automatically send the PDF reports of the checklists.

ZK's tree component made it possible to create complex checklist structures. Depending on the user's answer, yes or no, different questions are asked. The ZK grid component was used to create a planning module. Thanks to drag and drop, the use is very fluid and easy.

The Result

We are very satisfied with the ZK framework because it is very stable, and it evolves with the demands of the market. The ZK teams are very responsive and provide us with very high-quality support when we have specific technical requests. The trainings given are also of good quality.

Creation	Description	Status
06-08-2023 15:37:54	Docs 23000197 - Cargo Documents inbound	in progress
02-08-2023 16:29:34	1.FOD 23000193 - FOD out - PLANE	to treat
02-08-2023 16:29:34	9.1 Push Back 23000192 - Push Back process - PLANE	to treat
02-08-2023 16:29:33	2.Crew 23000191 - Crew OUTBOUND - PLANE	to treat
02-08-2023 16:29:33	Docs 23000190 - Cargo Documents Outbound - PLANE	to treat
02-08-2023 16:29:33	5.Daily 23000189 - Belly Out AFT (No search) - PLANE	to treat
02-08-2023 16:29:33	5.Daily 23000188 - Belly Out FWD (No search) - PLANE	to treat
02-08-2023 16:29:33	4.Main Deck 23000187 - Main Deck Out - PLANE	to treat
02-08-2023 16:29:33	7.Potable Water 23000186 - Drinking water - PLANE	to treat
02-08-2023 16:29:33	6.Cleaning 23000185 - Cleaning - PLANE	to treat
02-08-2023 16:29:33	8.Toilet 23000184 - WC - PLANE	to treat

Planning Check-lists Export Dashboard PDA Link input

← → Day Week - 1 Day + 1 Day

By default Activate move

mon. 29-05-23 tue. 30-05-23 wed. 31-05-23 thu. 01-06-23 fri. 02-06-23 sat. 03-06-23 sun. 04-06-23

08:00 - 09:00
 Process off/loading
 Cargo Aircraft
 PLANE
 m
 23000177
 to bill

08:00 - 09:00
 Process off/loading
 Cargo Aircraft
 PLANE
 23000160

08:00 - 09:00
 FOD in
 PLANE
 23000161
 (23000160)

Questions Check-lists PDF text Clients Delay

Q

- ▶ 0 - A/C Reg: Cargo - eRamp Link input : Tailnumber ✖
- ▶ 1 - FLT OUT Cargo - eRamp Link input : Flight No. outgoing ✖
- ▶ 2 - STD: Cargo - eRamp Link input : STD - Arrival Date ✖
- ▶ 3 - ETD: Cargo - eRamp Link input : ETD - Departure Date ✖
- ▶ 4 - SPOT Cargo - eRamp Link input : Spot ✖
- ▶ 5 - Begin operation Belly Cargo - eRamp ✖
- ▶ 6 - Loading sequence ? Cargo - eRamp ✖
- ▼ 7 - Complete Transit (y/n) ? Cargo - eRamp ✖
 - ▼ Yes
 - ▶ 0 - Remark / Observations Cargo - eRamp ✖
 - ▼ No
 - ▼ 0 - Does the A/C leaves empty Cargo - eRamp ✖
 - ▼ Yes
 - ▶ 0 - Control of the seal compressors of the planes doors (from the inside) ? Cargo - eRamp ✖
 - ▶ 1 - Are the locks in upper position ? Cargo - eRamp ✖
 - ▶ 2 - Remark / Observations Cargo - eRamp ✖
 - ▼ No
 - ▶ 0 - TREPPEL nbr Cargo - eRamp ✖

About ZK

ZK is the leading enterprise Java Web framework with more than 1,500,000 downloads. ZK is deployed by a large number of Fortune Global 500 companies, including Barclays, Allianz, Swiss RE, Roche, Deutsche Bank, Sony, Sun Microsystems, and Toyota, providing them with the ability to rapidly create rich Ajax enterprise level applications.

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