

Atos Breakout session  
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Shipment Digitalization –  
revolutionizing transport and logistics

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# Shipment Digitalization - revolutionizing transport and logistics

Atos Convergence Creators Osijek is a location that opened at the turn of the 21<sup>st</sup> century and it has mostly focused on IT and telecommunications, ranging from payment and charging servers, statistic warehouses, mission critical solutions, low and high level programming, integration and so on.

As far as it is known to me personally, we haven't done a solution that targets transportation and logistics in what ever form and scope.

And then came 2017. and SAP InnovMatch where we have been invited to take part as listeners. We were interested in SAP Cloud Platform so that was a workshop we could use to learn new technical details from the new and highly anticipated platform (and it's kind of a dominant topic in the rest of Atos in Croatia).

Since we could also take part in the hackaton-like challenge, and we had some student practice colleagues from local faculty, we decided to guide them to make an MVP based on that year's Croatian InnovMatch business challenge from one of largest Croatian distributors called Atlantic Grupa.

Vision was:

- ▶ Remove paper usage by digitalizing existing process
- ▶ Optimize asset utilization
- ▶ Create transparency in delivery process
- ▶ Increase profits for all actors in the process (by reducing costs)
- ▶ Use new technologies

And the delivery:

After creating a prototype that runs on any mobile device and tracks GPS, we introduced map integraton and standard views of tables regarding order, shipment and delivery processing. We also added what we called a "4-way omni-channel" communication paradigm that enabled everyone to see where their assets are. Add gamification and customer feedback into the loop and that already fulfilled all the challenge requirements.

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But we went further, in coop with local Faculty of electrotechnical sciences we introduced a smart sensor that could collect relevant data (temperature, stress, humidity) and hence – HACCP standard came into view as a capability of the system.

As an underlying capability of the solution – we introduced Alerts and Notifications. So, based on a registry of sensors connected to orders – it became possible to see whether any of the items that had special environmental requirements (e.g. “temperature must be below 0°C”) has an exceptional state (e.g. open doors of the cooler truck during warm days).

Taking all into account, we also wanted to introduce prediction capabilities – for deliveries what was mostly missing was the estimated time of arrival (ETA) which was introduced. What we wanted too was to track external services like traffic information, seasonal occurrences, special road conditions like weather situation and similar. That way we could also align ETAs and support automatic notifications to customers based on predefined configurations and material kinds.

This MVP won the Croatian stage of the SAP InnovMatch and became one of finalists for European edition of the contest. It was presented in Prague and got finalist credit and standard SAP awards like access to SCP for developers that took part in the contest which was a very valuable opportunity to learn capabilities of new technology.

Afterwards, the solution concept became proposed to multiple tenders and interested local companies, it is yet to be delivered as a fully pledged project. However, it became interesting to local biggest oil industry company and is currently in the project negotiation phase (we’re acting here with our partners Siemens as we already have IT-based business for oil industry).

Presentation scope:

- ▶ What’s the current state of need for such solutions in the world,
- ▶ What the solution actually does (how it looks, how it functions and what it can offer)
- ▶ Technical aspects of the solution (multiple flavours)
- ▶ Perspectives
- ▶ Live-demo
- ▶ Discussion

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**Presenter:**

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B - Software

