

Case Design Sheet



1. CASE DESCRIPTION

TITLE: HALL 32 – New approach of the vocational trainings aiming at creating a program of excellence to train people for the industrial jobs

PARTNER	LOCATION	TIME/DURATION
CIMES	France	2016-

Thanks to private-public partnership (big companies, SMEs, rectorate, “pôle de compétitivité”, policy makers), Hall 31 wants to offer a new approach of the vocational trainings aiming at creating a program of excellence to train people for the industrial jobs which require high-qualified experts. One of the main goals is to break the negative popular vision of industry and give the youth the possibility to access empowering jobs. This project is now a reality. It stands for a competence center as well as a pilot plant, a vocational training place, a process lab when people can learn by doing.

2. DIGITAL TRANSFORMATION CHALLENGE

2.1. BUSINESS TRANSFORMATION

Hall 32, located in Clermont-Ferrand (France) is fundamentally linked with the historical company Michelin deeply involved in matters of trainings and labour market evolution. For so many years, Michelin has experienced shortages in key jobs that are essential to remain productive, innovative and competitive. It was necessary to develop a proper answer in such a way that people, and more especially the youth, know better industry and to motivate them to move towards the large scale of jobs offered by the technological transformation known by the different industrial sectors. More widely, Hall 32 is an initiative thought and rolled out to deal with the huge lack of industrial workforce in Auvergne-Rhône-Alpes which is the first French industrial region.

2.2. CONCEPTUAL TRANSFORMATION

Hall 32’s strategy is built around four main axes:

- To inform

Hall 32’s main mission is to communicate about industry and industrial jobs, needs and opportunities and to create the proper environment to attract talent, skills and knowledge.

It is essential to help the young people to find their own way and build their own training program according to their wishes and appetencies.

- To train

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The Centre aims to train people with apprenticeship, innovative educational programs and cutting-edge technologies.

In that respect, Hall 32 wants to be a laboratory of pedagogy and to propose high-quality professional trainings. At cruising speed, the Centre will host 300 students and 1800 trainees.

Hall 32 completes the current training offer available in Auvergne-Rhône-Alpes (monitoring, electricity, production, mechanical design, production line driving...).

- To innovate

Hall 32 owns conventional industrial devices but also lots of modern machines dedicated to additive manufacturing, high-performance production and robotics.

The FabLab and the Design Lab are equipped with different types of devices like 3D printers or a production line 4.0. This technological equipment allows the Centre to assert its position to offer the most innovative and effective tools to all: companies, teachers and learners.

The Centre gives the opportunity to prototype in a collaborative and open way, to develop, to test and to offer the possibility for companies to validate technological solutions before license.

- To network

The collaborative workshops aim to ease the meeting between the learners, the teachers and the companies. For example, some projects could be developed in a collaborative way with the different resources offered by the Centre.

Training research is facilitated by the creation of a specific office putting through the companies' proposals and the learners' expectations.

2.3. TECHNICAL TRANSFORMATION

Industry is dealing with lots of technical and technological transformation challenges for so many years now and it is important that the educational actors take the pulse of what is innovative and adapt their offers. This is why Hall 32 chose to open learners' eyes in new processes and industrial innovation (additive manufacturing, robotics, mechatronics...).

3. SOLUTION

To face the challenges mentioned overhead in the document, the solution chosen by all the project partners was to roll out a multidisciplinary association gathering companies, policy-makers, clusters and educational stakeholders to outline and realize Hall 32 with the ambition to promote industry and the regional industrial excellence.

4. KEY SKILLS AND COMPETENCES

- Educational and vocational trainings

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- Teamwork

5. RESULTS

- A 13.400 square meters place dedicated to industry
- A 3.000 square meters technical platform where students can find a large scale of industrial equipment
- An open-to-public gallery to discover industry and industrial jobs
- New programs of trainings

6. CONCLUSIONS AND RECOMMENDATIONS

The development of this educational solution aims to help the regional industrial ecosystem to get through some lasting challenges as mentioned below:

- Promotion of industry and industrial jobs
- Introduction to Industry 4.0 and new technologies to students and professionals
- Creation of training programs more adapted to the companies' needs and expectations
- Better linkage between the work world and the educational actors

7. REFERENCES

- <https://www.hall32.fr/>
- <https://www.youtube.com/watch?v=uM-GgPboc0I>
- https://www.youtube.com/watch?v=th_TzDBb2sI
- Dossier de presse Hall 32, 2019

8. APPENDICES

All charts, financials, visuals, and other related items can be placed here and referenced in the report.