

Innovation Assistant Funding schemes



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Innovation Assistant Funding schemes



- 1. Company presentation Colenta**
- 2. Overview project LAS**
- 3. Experiences**

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Company presentation



Over 90 worldwide dealerships offering marketing and after-sales support on the wide range of products available from COLENTA.



Over 120 people are employed throughout all the group divisions.

The COLENTA GROUP consists of:

-  **COLENTA LABORTECHNIK GmbH & Co. KG** 20 people
based at the corporate headquarters in Austria.
-  **ART COLENTA LTD Sofia, Bulgaria.** 90 people

-  **LSH COLENTA Hannover, Germany.** 8 people

-  **ACI - COLENTA INTERNATIONAL**
Sales, marketing and international business support located in the United Kingdom.
-  **MEDIAPHOT Inc. Montgomeryville, PA., USA,**
Sales and technical support for North and South America and Canadian markets.



Company presentation - Products



CtP Equipment



Color Processing Equipment



Health care X-Ray



NDT Equipment



Company presentation - Applications



CtP Applications



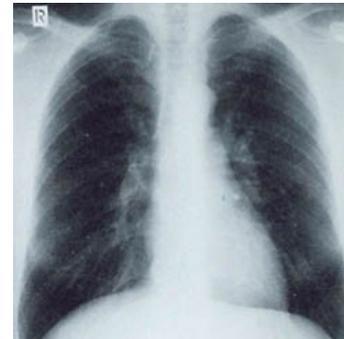
NDT Equipment



Color Processing Equipment



Health care X-Ray



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lab automation system

Colenta
Labortechnik

swisslab



Sensor- und Aktuatorssysteme (E366)
Fakultät für Elektrotechnik und Informationstechnik

**mechanics, electronics
production, financing**

Mr. Nowak (financing)
Mr. Lacher (mechanics, production)
Mr. Kraushofer (project management)
Mr. Adrigan (electronics)

concept, software, marketing

Mr. Kreuzträger (concept, marketing)
Mr. Pick (software)
Mr. Trampe (software)
Mr. Elter (software)
Mr. Okun (testing)

**basic development,
transport system, patents**

Prof. Dr. HAUSER †
Dr. Fulmek

Colenta®

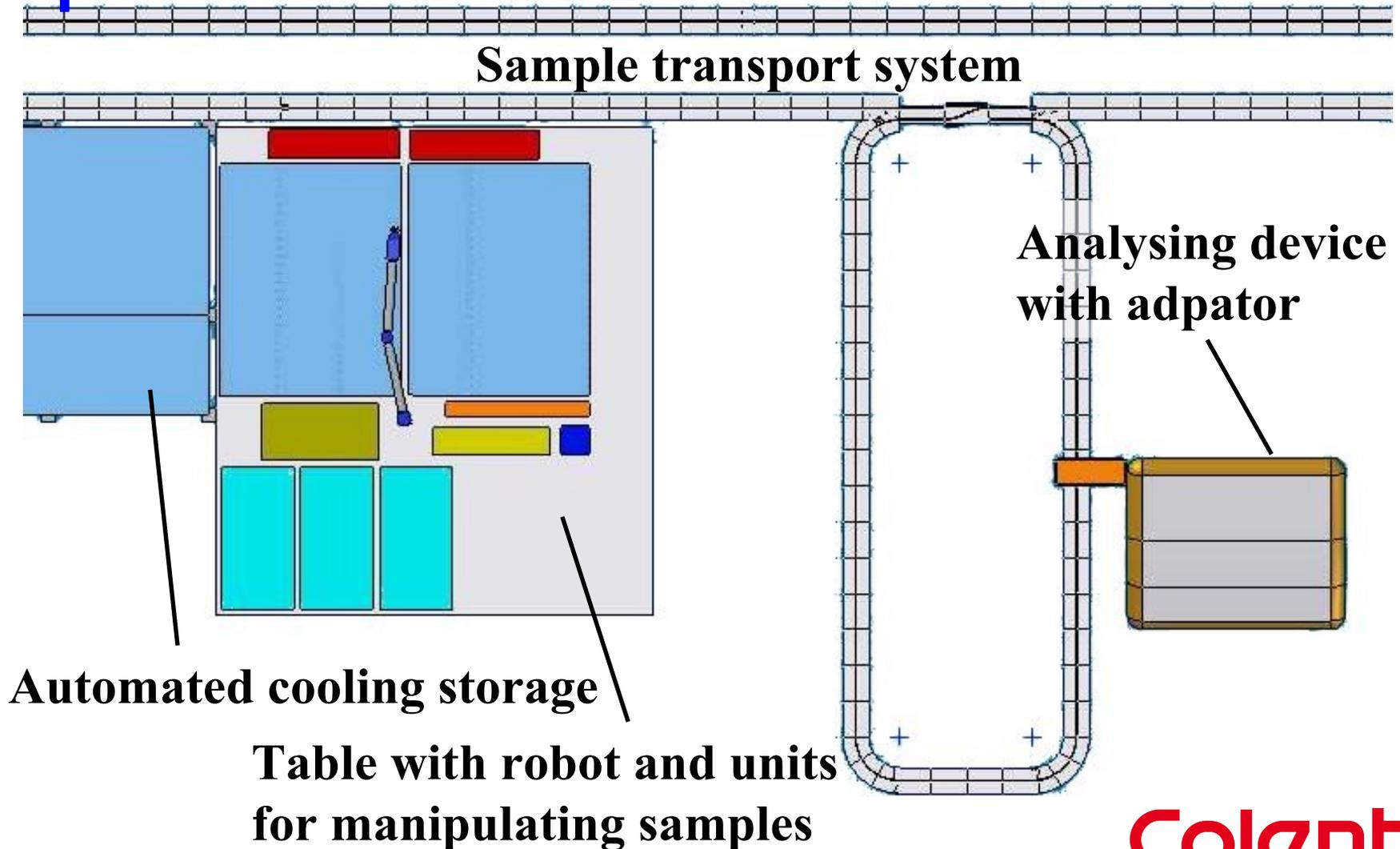


Parts of the system:

- Sample transport system
- Automated cooling storage for medical samples
- Tempered storage for the samples of the day with fast access (robot)
- Integration of units for
 - Input and output of samples
 - open
 - close
 - identification
 - recycling
- Adaptors for integration of different Analysing devices



open structure of LAS



Innovation Assistant – Project LAS



Input and output units

Possibility to use
Racks from different
manufactures in the
system





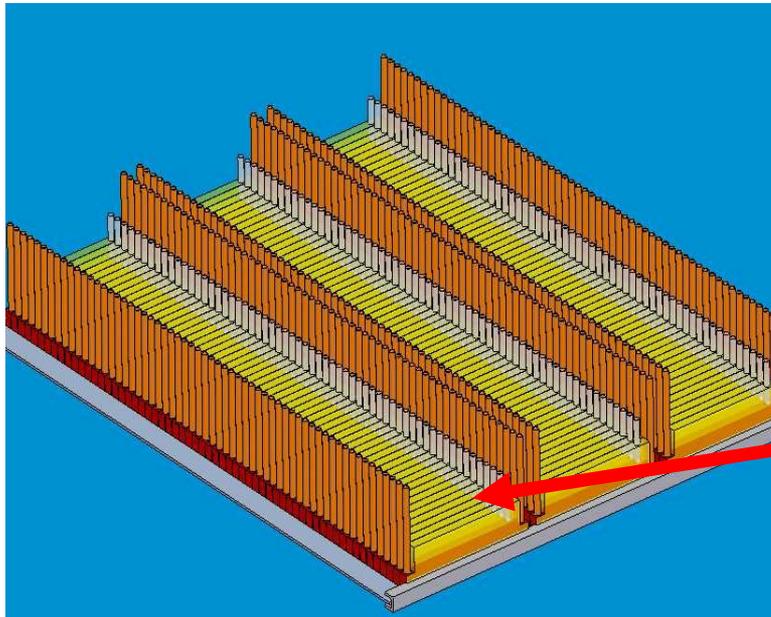
Automated cooling storage

- dimensions: 1,8 x 2,6 x 2,4m (BxTxH)
- Storage of 15876 samples at 7 layers
 - at 10°C ambient temperature
 - 2268 samples/layer on 162 Racks/Plate (14 samples/Rack)



Picture automated cooling storage

Sample plate/rack/adaptor



2400 samples/plate

Adaptors for samples
with diameters 8-18 mm

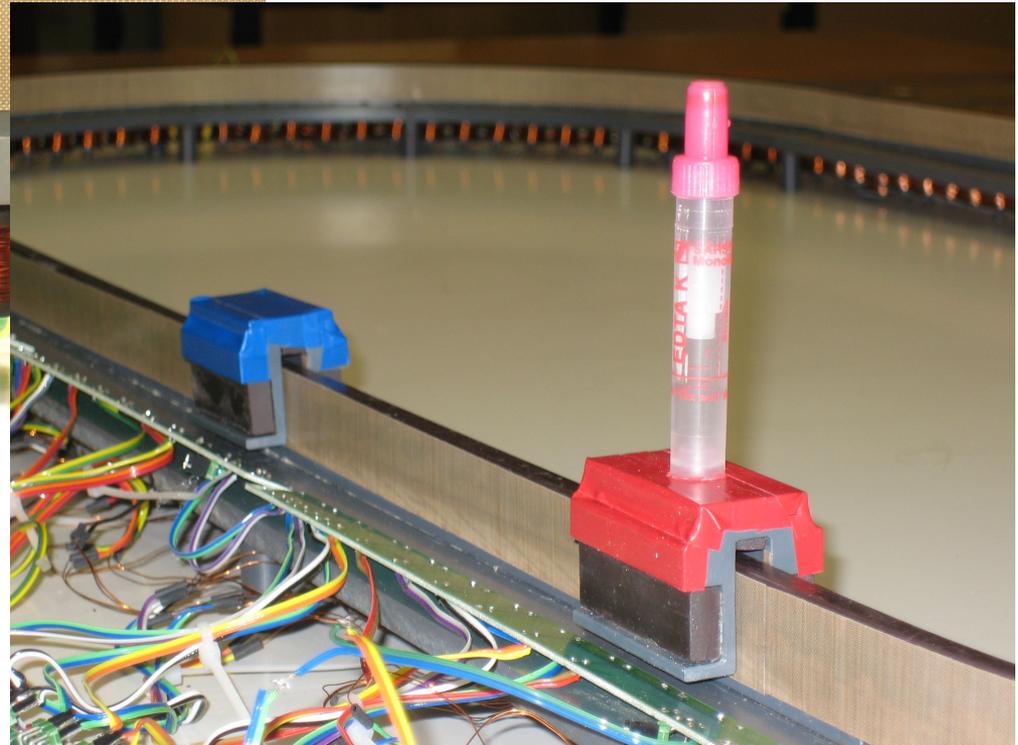
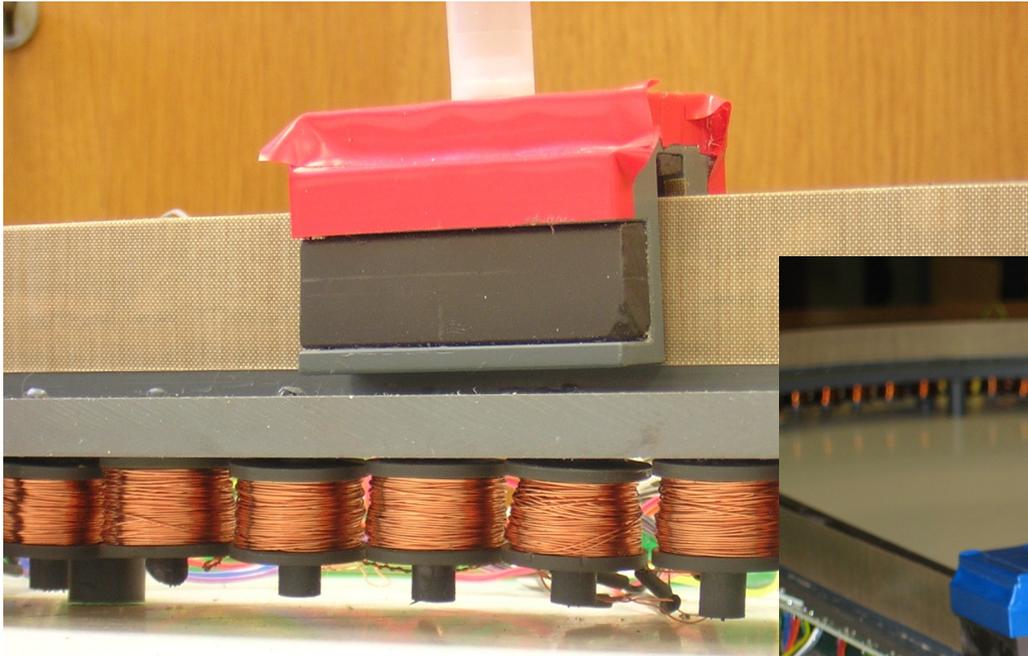




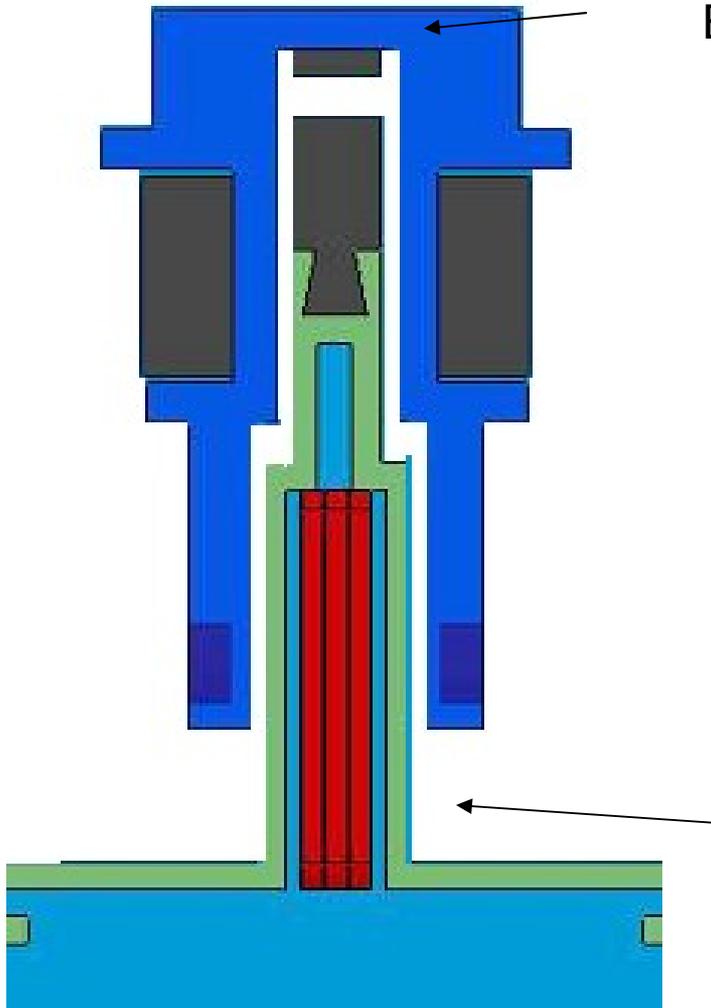
Sample transport system

- Extreme high availability of the system
- No preventive maintenance, wearless operation
- Variable velocity > 1 m/sec, long distances
- Capacity of 3600 samples / hour
- Single transport of samples with transport weight of 30gramms

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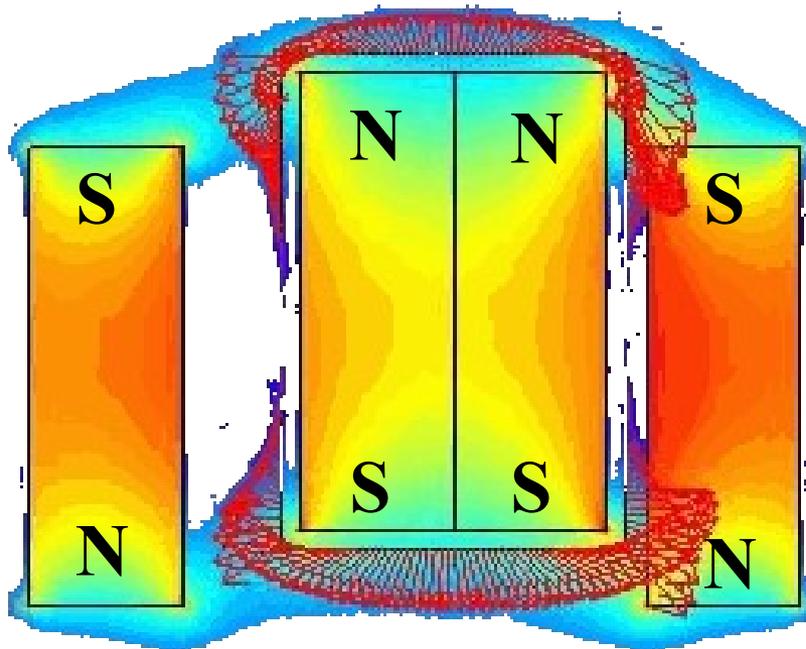


Base with integrated RFID Tag

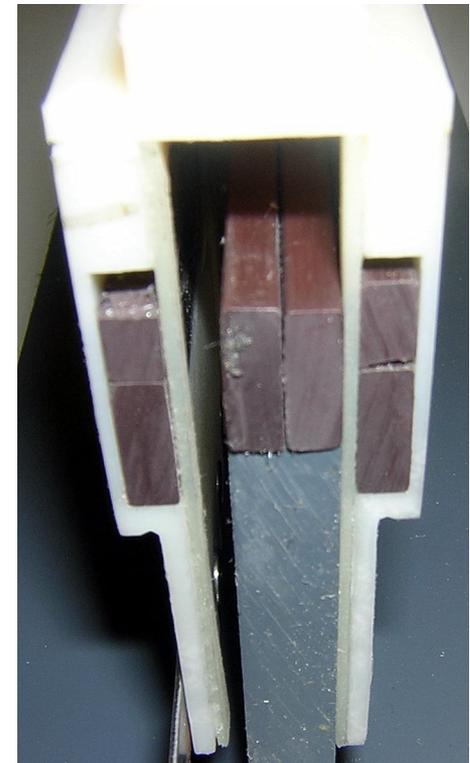
- Bearing system with static magnets
- frictionless moving
- Low cost permanent magnets
- Electro magnetic drive on bottom of the track
- „catch effect of the wagon on the track“
- Secure drive

Electro Magnetic drive and electronic

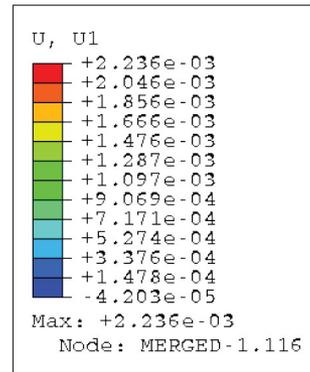
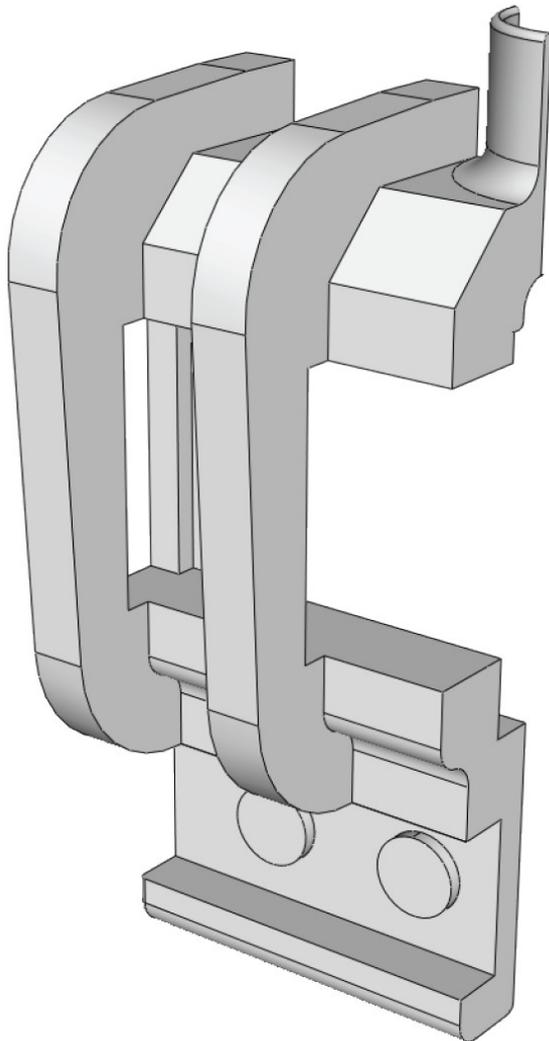
Functional principle



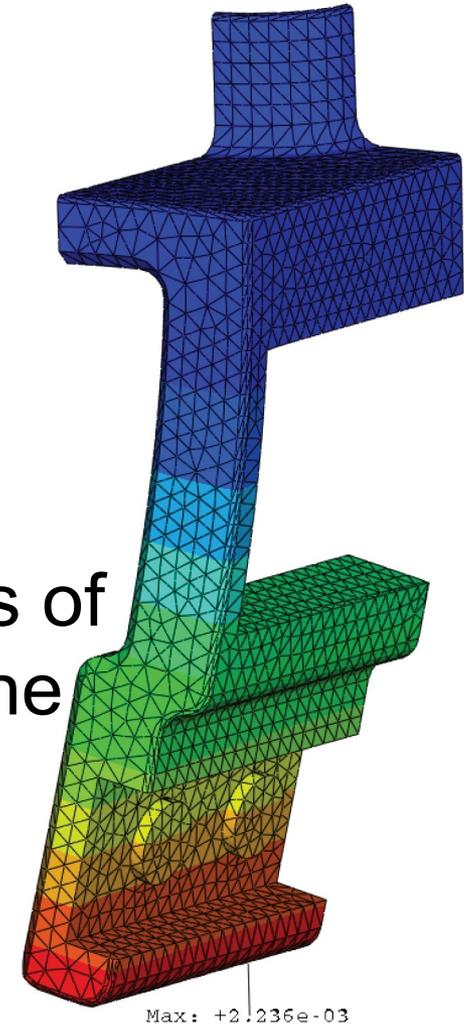
- magnetic balance allows minimum of friction
- Transport weight up to 70g possible



Innovation Assistant – Project LAS



Finite element
method analysis of
the stability of the
wagon



Innovation Assistant – Project LAS



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Accompanying training courses on Danube University Krems:

- Basics skills for **managing a project**
- chairmanship, appraisal interview, Project Management, Leadership
- Techniques for solving problems,....
- „get the tools for a good project“

- Find out your own **strengths and weakening**

- **Exchange of experiences** with other participant in the course
„you are not alone“

- Have some distance to the own project for one day – The possibility to see the project with other perception



Application, Documentation and Report:

- **assistance** from TIP, WKO and Regional Government
 - Good regional network for companies
- „**fill in forms**“ with helping guideline
- During project evaluating by **external consultant**
- **Several reports** to the Regional Government
- Accounting with end report



+

- new job
- „project manager“
- better reputation
- more responsibility
- salary / bonus
- contact to management
- „freedom“ of work

-

- more work in organisation
- scheduling of task
- dokumentation of project
- decision making
- uncared „normal“ work

Thank you ...



... for your attention,
also for your patience ;-)



Any questions?

Thomas Kraushofer [®]
Colenta