

Low Temperature Communication Link - LTCL

Feasibility study of COTS electronics for a wireless communication link working at a low temperature (in the order of 77K).

Current status of progress:

10% of deliverables completed so far:

0% of budget (CERN 20KEur) spent so far:

Any remaining uncertainties w.r.t planned deliverables

No

Yes; sed do eiusmod tempor incididunt ...

Using students (PhD/MSc/BSc) in the project?

No (not from CERN)

Yes; to do sed do eiusmod tempor incididunt

Any interactions with other funded ATTRACT projects so far?

No

Yes; (project names...)

If your project were to be selected for ATTRACT Phase 2:

How would your technology scale up to become an industrial product/system?

Needs a startup first.

With who you would need to partner for this to happen? (No names, just profiles of type of organizations)

Company or Organization producing equipment with cryogenic vessels

Have you already discussed this with KT Group?

Yes

What applications will you demonstrate with value for science, industry and society? (Examples)

It is not a new product but a new cost efficient solution for a problematic that is growing as the use of low temperatures is in expansion

Any comments, remarks or observations you would like to make to CERN?

For the moment it is a low priority research project in its early stage that will provide cost effective solutions required in the future accelerators

