

ICR⁺

Acoustic experts integrated in your projects



“Far better an approximate answer to the right question, which is often vague, than an exact answer to the wrong question, which can always be made precise.”

John W. Tukey

RIGHT QUESTIONS LEAD TO RIGHT ANSWERS

“I am not bound to swear allegiance to the dogmas of any master”

Horace

THE GOOD THING OF A PROBLEM WITHOUT AN OBVIOUS SOLUTION IS THE PLEASURE IN FINDING IT

“I support that symbiogenesis is the result of a long time coexistence and that is the main source of evolutionary novelty in all superior non-bacterian organisms.”

Lynn Margulis

FLUENT COMMUNICATION IS THE KEY TO PROGRESS

ICR+ is the service offered by ICR for the integration of its vibroacoustic experts to client's projects. Our vibroacoustic engineers move to client's premises in order to be responsible of the vibroacoustic aspects or to get adapted into the client's methodology of work.

The displaced experts team have ICR technical support continuously. Moreover, each engineer constantly receives training in the company techniques and methods. ICR+ vibroacoustic services allows integrate to client's internal team a specialized knowledge in order to attend specific requirements, offering a feasible alternative to the incorporation of an expert in the client's staff.

ICR integrates its experts in the client's projects, taking responsibility of the vibro-acoustic aspects and adapting to their work methods.

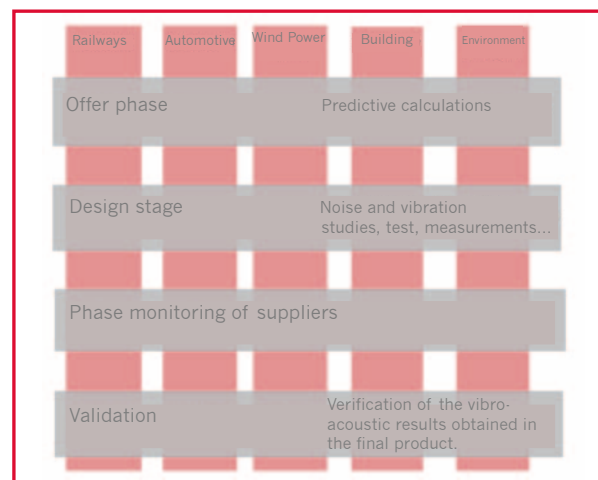
Integration of acoustic engineering services

Our vibro-acoustics experts, have ICR support and experience during the period of the contract. These acoustic engineering services could cover all project stages:

- Offer or specification phase: predictive calculations...
- Design stage: noise and vibration studies, experimental test, noise and vibration measurements, design of solutions ...
- Phase monitoring of suppliers.
- Validation: verification of the vibro-acoustic results obtained in the final product.

Depending on the means of calculation and measuring available for the client, the displaced acoustic experts can also analyse:

- Material selection which best suits with product technical specifications.
- Specification testing absorbent materials and insulators.
- Simple calculations: barriers, enclosures, absorption, insulation, etc.
- Vibro-acoustic numerical model.
- Calculations of dynamic response of structures.
- Noise and vibration test according to regulations or client requirements.
- Etc.



Trough the incorporation of ICR engineers in the clients projects, it is possible to improve their competitiveness offering professional engineering services in design, measurement, calculation and simulation.

ICR+ frame of operation covers Railways, automotive, wind power and construction sectors.

Values

ICR+ establishes a relationship with the client based on proximity, rigor, transparency and confidentiality. The goal is to guarantee a service according to client internal needs in each moment.

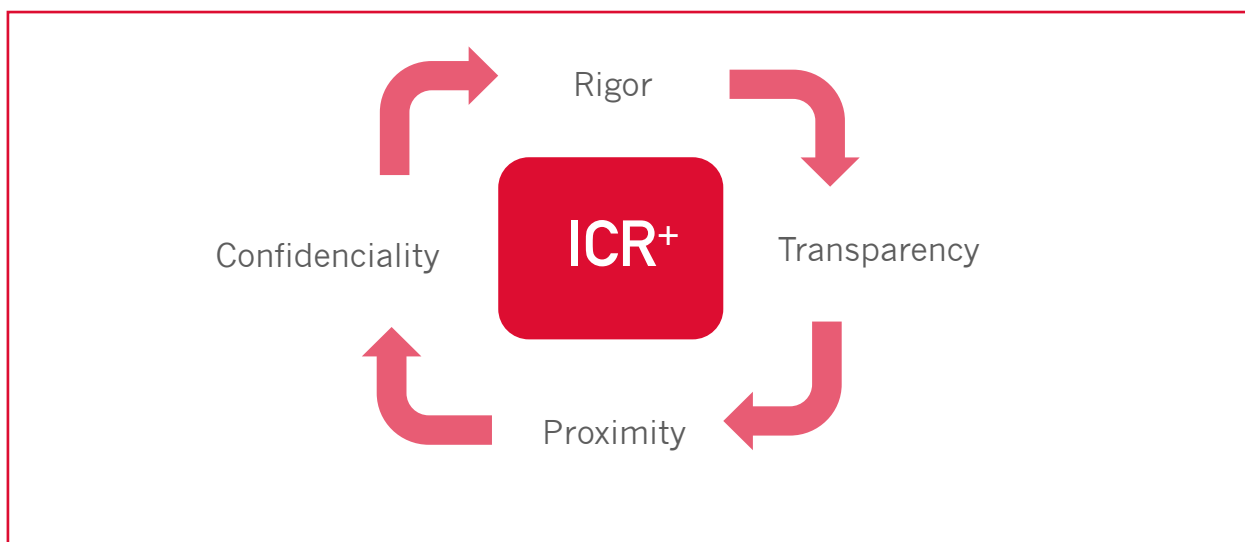
- Proximity: our model of work requires being always close of every project and our engineers in order to offer the best service in a personalized way.
- Rigor: by a continuous advice, ICR ensure the same rigor and efficiency required in their daily work
- Transparency: the clients have total transparency in each of the steps taken during the duration of each work. By this way, the client get the necessary know-how for choosing the best option for each situation.
- Confidentiality: ICR ensures the maximum confidentiality in all the process carried out with the client internal team.

Benefits

Our proposal is based in the efficient use of methodologies of work methodologies for the project management and the staff, highly qualified, experienced and committed to the company and to develop projects for our clients.

With ICR+ you will obtain:

- Experience and knowledge: professional experts in acoustic engineering and vibration with high knowledge in the most advanced technologies of the market.
- Quality and rapidity response.
- Compromise: our experts adapt to client's work environment and shows every day a strong involvement in the projects in which they are assigned.





Ingeniería para el Control del Ruido

Berruguete, 52. [Vila Olímpica Vall d'Hebrón]
08035 Barcelona. España - Tel/Fax. +34 93 428 63 39
E-mail: icr@icrsl.com
www.icrsl.com