



<b>Lingotes especiales, S.A.</b>			
Ctra. Fuensaldaña, Km.2 Valladolid Tlf: 0034 983 340011 <a href="http://www.lingotes.com">www.lingotes.com</a>	47008 Valladolid Fax: 0034 983 373017		<b>Contacto:</b> Pedro Díez Vielba Dtor. I+D+i pedro.diez@lingotes.com
<b>▲ Descripción entidad</b> Fundición de hierro gris y nodular con filial de mecanizado, pintura y ensamblaje de componentes (FyC). <ul style="list-style-type: none"> <li>• 95% de la producción destinada al sector de automoción</li> <li>• 80% exportación</li> </ul>			
<b>▲ Principales actividades y productos</b> Diseño de discos de freno y componentes.			
<b>▲ Proyectos relacionados</b>			
<b>Investigación en materiales, procesos y geometrías conceptuales para la definición de discos de freno de peso aligerado, contemplando futuras aplicaciones en transporte</b>  <b>Presupuesto:</b> 2.044.630,02 €  <b>Duración:</b> 04/2011 - 06/2012  <b>Programa:</b> CDTI  <a href="http://www.cdti.es">www.cdti.es</a>	<b>Líneas API cubiertas por el proyecto:</b>		<b>Descripción y objetivos:</b> Obtener conocimiento avanzado mediante la investigación en materiales, procesos y geometrías conceptuales, para la definición de discos de freno, los cuáles han de mantener las mismas prestaciones, poseyendo una menor masa que los componentes convencionales, contemplando las nuevas especificaciones de uso en vehículos de propulsión eléctrica.  <b>Participantes:</b> Lingotes Especiales - CIDAUT  <b>Resultados obtenidos:</b> Metodología de diseño, fabricación y validación de discos de freno aligerados.
	1. Materiales, estructuras multimaterial y tecnologías de unión	✓	
	2. Diseño de interiores		
	3. Diseño de exteriores		

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<p>▲ <b>Description</b> Nodular and grey iron foundry. Its subsidiary (Frenos y Conjuntos) is focused on machining, painting and component assembly. 95% of total production within Automotive sector. The company exports 80% of its production.</p>													
<p>▲ <b>Main activities and products</b> Design of lightweight brake disc and component.</p>													
<p>▲ <b>Related projects</b></p> <table border="1"> <tr> <td rowspan="3"> <b>Research in materials, processes and conceptual geometries to define lightweight brake discs, taking into account later applications in transport.</b>   <b>Budget:</b> 2,044,630.02 €  <b>Duration:</b> 04/11 - 06/12  <b>Programme:</b> CDTI  <a href="http://www.cdti.es">www.cdti.es</a> </td> <td colspan="2"><b>SRA lines covered by the project:</b></td> <td rowspan="3"> <b>Description and objectives:</b> To get advanced skills by means investigation in materials, processes and conceptual geometries to define lightweight brake disks, which they have to maintain the same performance with less mass as the usual ones and taking into account the latest usage specifications for electrical vehicles.   <b>Participants:</b> Lingotes Especiales - CIDAUT   <b>Results:</b> Design, production and testing methodology of lightweight brake discs. </td> </tr> <tr> <td>1. Materials, multimaterial structures and joining technologies</td> <td>✓</td> </tr> <tr> <td>2. Interior design</td> <td></td> </tr> <tr> <td></td> <td>3. Exterior design</td> <td></td> </tr> </table>			<b>Research in materials, processes and conceptual geometries to define lightweight brake discs, taking into account later applications in transport.</b>  <b>Budget:</b> 2,044,630.02 € <b>Duration:</b> 04/11 - 06/12 <b>Programme:</b> CDTI <a href="http://www.cdti.es">www.cdti.es</a>	<b>SRA lines covered by the project:</b>		<b>Description and objectives:</b> To get advanced skills by means investigation in materials, processes and conceptual geometries to define lightweight brake disks, which they have to maintain the same performance with less mass as the usual ones and taking into account the latest usage specifications for electrical vehicles.  <b>Participants:</b> Lingotes Especiales - CIDAUT  <b>Results:</b> Design, production and testing methodology of lightweight brake discs.	1. Materials, multimaterial structures and joining technologies	✓	2. Interior design			3. Exterior design	
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