



# SPIN OFFS EMPRESARIALES

## CHALLENGE FORMULATION

Company name	Istobal S.A.		Challenge Code	04.1
Challenge Type	Process	Technology	Business	Product
Specific Challenge	Predictive maintenance through machine sensorization systems			
Description		How could we		
<p>Istobal is a company dedicated to vehicle care and washing. Its business is to provide service systems to car wash operators or end users. In this context, the service time of the washing machines is critical, as well as the response capacity of the technical support team. In this regard, it is of great interest to further develop the application of predictive maintenance in washing systems and the sensorization and data required for it.</p>		<p>Sensorize the machine to obtain and monitor data that allows us to model failure behavior in a predictive way, anticipating issues and preventing them by planning the necessary maintenance. Possible monitoring objectives include the operational parameters of motors and liquid systems, both water and chemical products.</p>		
Restrictions or specific requirements		Profile of the collaborator we are looking for		
<p>In order of priority:</p> <ul style="list-style-type: none"> <li>• Scalability</li> <li>• Cost</li> <li>• Ease of integration into the machines</li> <li>• Integration with existing data systems</li> </ul>		<p>Experience in electronics Ability to implement the solution</p>		
Keywords	#Sensorization #IoT #PredictiveMaintenance			
Key indicators	KPI #Ratio of impact on final product cost	KPI #2 ROI	KPI #3 Time to market	