

## Dassault Aviation DDR Video – English voice-over

Text opening	Dassault Aviation Reveals PLM Value	
0:00	Dassault Aviation is a world leader in the field of military aircraft and top-of-the-line business jets.	Decaix
Text montage	Falcon series business jets 9,000 employees worldwide Rafale and Mirage fighter jets €3.3 billion turnover 2003	
Text F7X section	2002 Launch of Falcon 7X program	
0:30	We had an important challenge, first of all, to federate the 27 partners who joined us in the program.	Hironde
Text	Stage one Physical Platform Stage two Virtual Platform	
0:41	We created the virtual platform to work as though we were on a physical platform. One of the primary ideas was to share, at all costs, a common, configured database that would be updated in near real-time.	Pellas
0:58 Text CATIA, ENOVIA, DELMIA	Thanks to the virtual platform and the PLM software we put in place, we we're able to work together starting from the conception stage right through to the detailed design stage, and on top of that, we work together sharing the same database and same tools which allow us to optimize the aircraft all along this development process.	Camps
1:19	Today, as soon as there is a modification is made to a CATIA model on a reference, this evolution is immediately taken into account by the virtual platform and transmitted to all the partners who need to know.	Pellas
1:32 Text PLM Value	I would say that what is really new is that we're able to apprehend and understand, right from the conception stage, the complete life cycle of the product... to understand how it will be designed, manufactured, maintained, and used by the customer.	Camps
1:49	It's certain that today, the only reference that exists is what's in the digital mock-up. Therefore, to control the advancement of the aircraft, to verify that all the parts are assembled correctly, well, there is no more paper, no plans. We visualize the aircraft definition directly via the digital mock-up.	Hironde
2:09	With PLM Solutions, we have an aircraft that is completely virtually designed. The virtual eye can go where the physical eye can't always go, to see, to correct, and to come up with a definition that is absolutely perfect. And when we get the "go" to proceed, well, we have from the very first aircraft the high-level of quality that used to take us several dozen aircraft to achieve.	Decaix
2:33 Text Assembly time: -50%	Since parts that are manufactured based on the digital definition fit together without any adjustment, right from the start to one-hundredth of a centimeter, what have we noted? Well, for our previous aircraft, we had an average development cycle for assembly and out-fitting of roughly 16 months, whereas, for the first 7X we found that we required only 7 months.	Hironde

<p>2:56 Text Tooling costs: -66%</p>	<p>We require significantly less equipment to build the 7X than for previous aircraft. Tooling costs have been cut by at least two, maybe even three times.</p>	<p>Decaix</p>
<p>3:07 Text Assembly problems: eliminated Physical prototype: eliminated</p>	<p>We have proven with the Falcon 7X that we have absolutely no assembly problems...100 per cent problem free. Thanks to the digital mock-up configured with ENOVIA, we no longer need a physical prototype to design and build an aircraft.</p>	<p>Hironde</p>
<p>3:24</p>	<p>We have also made enormous gains in quality... first-time right... manufacturing that conforms to design. I believe that it's no longer a dream. We have arrived.</p>	<p>Pellas</p>
<p>3:36</p>	<p>We cannot maintain our lead against the competition and match our rivals if we don't have powerful and innovative PLM.</p>	<p>Hironde</p>
<p>3:45</p>	<p>Stay competitive without PLM today? My response is... definitely not.</p>	<p>Decaix</p>