MBSE Benchmarking Questions

1. In what large complex projects have you utilized a model based approach? What have you learned from them?
2. What are examples of problems that you have addressed using a model based approach?
3. What was the scope of the problem you helped resolve (hardware, software, system level, enterprise, etc.)?
4. How did your approach help solve the problems?
5. Where have you found MBSE is best applied?
6. How have you used MBSE to model and refine processes (operational or production or a combination of the two)?
7. Did you consider approaches other than MBSE?
8. How do you identify which processes drive the system design and architecture?
9. What architecture framework did you use and why?
10. What software tool(s) did you choose and why?
11. What have you learned about how deeply to model the process? How do you decide the level of detail?
12. Have you tried to re-use models? What problems have you observed?
13. What was biggest obstacle in implementing an MBSE approach?
14. What have you learned about breaking down organizational resistance to using MBSE?
15. How has your approach been used to improve the efficiency of the process? How is improvement measured?
16. Have you been able to tie cost data to the models in order to assess project costs and impacts of changes?
17. What was biggest payback (money, efficiency, other)? What percentage of improvement?
18. Can you quantify the return on investment?

Please send responses along with name, company, position and contact information to:

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