

Arcticus Systems

The Rubus Concept and Tools



To be on Time



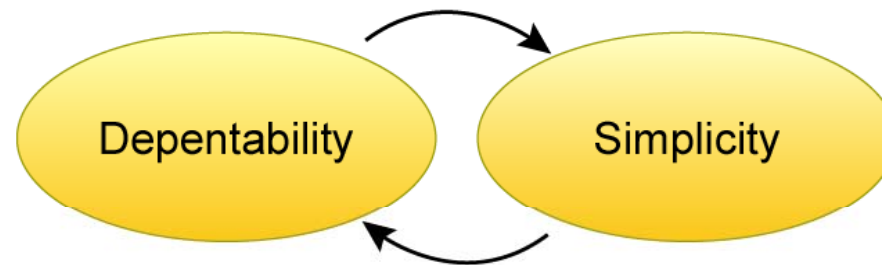
Arcticus Systems

At the forefront of advanced Real-Time

- *Swedish company formed in 1985*
- *Specialists in real-time applications and related program development tools*
- *High competence in products and consulting*
- *Three generations of real-time operating systems*
- *Advanced research and software development*
- *State of the art real-time products*



Dependability



Design for Dependability
Avoid unnecessary complexity

**Time Triggered
execution**

- Reduces development costs
- Reduces development time
- Shorten time to market
- Easier verification and validation
- Simplified maintenance



Research and Products

1992-95	VIA-Architecture; TT execution for dependability
1995-96	Rubus OS; focus on TT execution, Red & Blue
1997	Rubus CM 1; textual programming, TT execution, off-line scheduler
2000	Rubus CM 2; graphic programming
2006-09	MultEx; Rubus CM 3, supporting TT, ET and IT analysis and execution
2009-12	EEMDEF; Rubus CM 4, supporting distributed analysis and execution
2010	TIMMO-2-USE ...



History

- O'Tool RTOS 1986
 - ◆ ADA-Rendezvous
 - ◆ Dynamic allocation
- VIA Architecture 1992-1995
- The Rubus Concept 1995
 - ◆ Focus on dependability
 - ◆ Static Allocation
 - ◆ Rubus OS
- Rubus Component Model
 - ◆ Rubus CM 1 1997
 - ◆ Rubus CM 2 2000
 - ◆ Rubus CM 3 2008