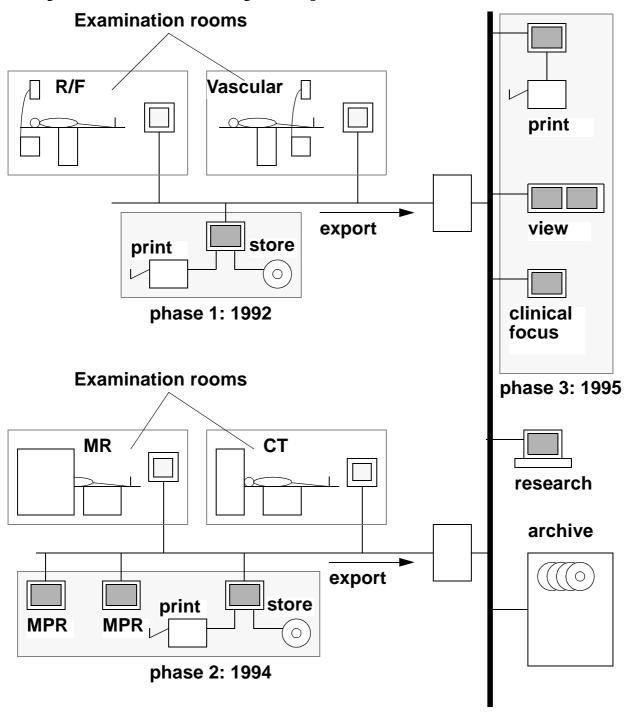
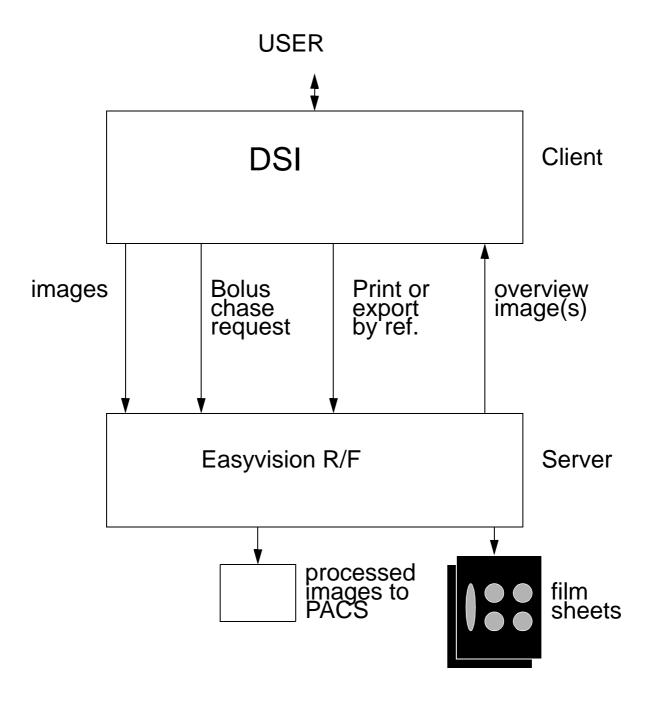
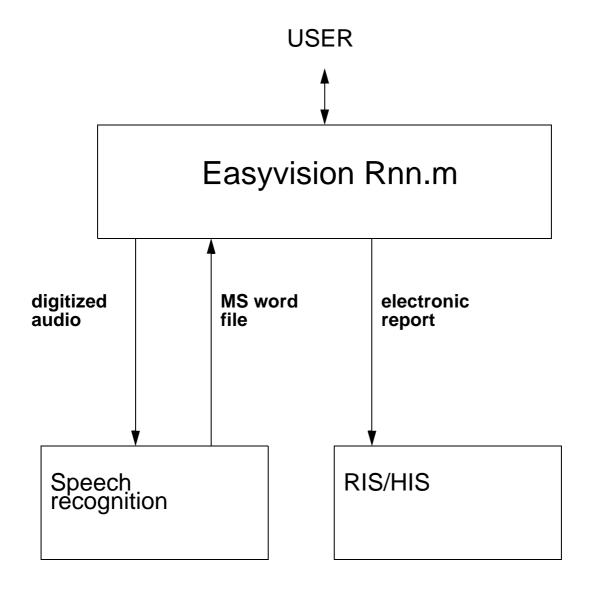
EasyVision family of products



Distributed applications



Distributed applications



Process structure

system monitor **UI** process

DB

Job queueing and status persistent via database

Import

Export

Optical store

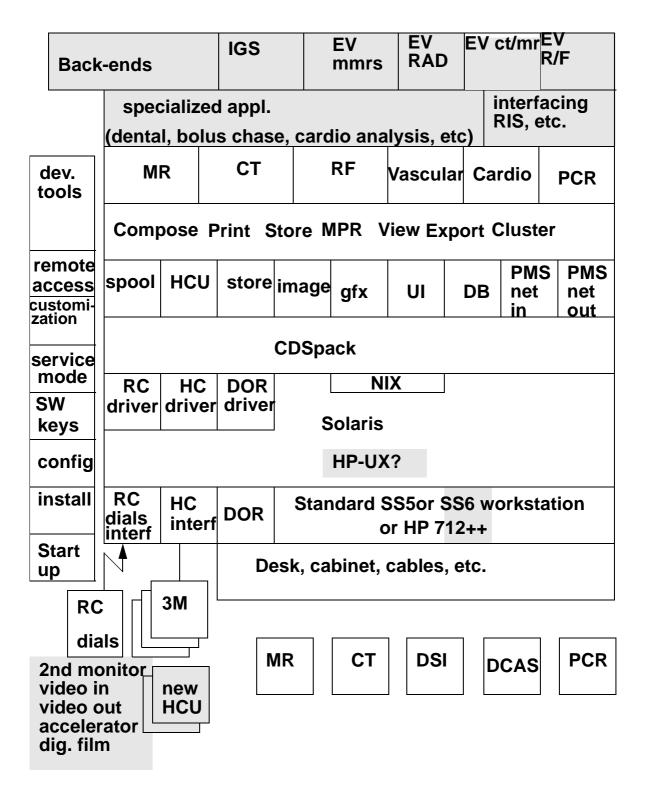
Print

Compute

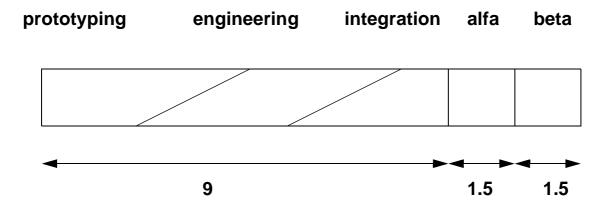
Table 1: Efficiency through re-use

	1992	1993	1994	1995	1996						
number of products and applications											
products	1	3	5	9	13						
inputs, a.o. modalities	1	5	10	15							
applications	1	4	8	16	32						
people											
infrastructure			20+15	21+16	22+16						
application			27	35	41						
total		52	62	72	79						
efficiency											
people per		17	12	8	6						
product											

1995/1996



Project lifecycle



Prototyping

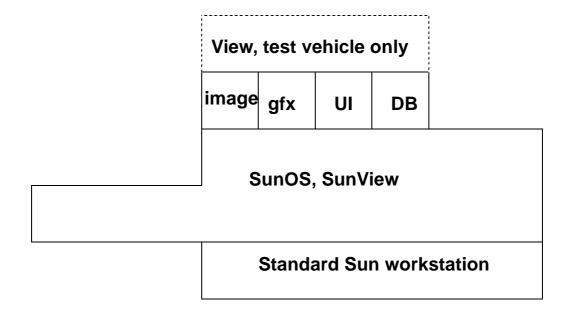
Results:

- Specification 70%
- Design 70%

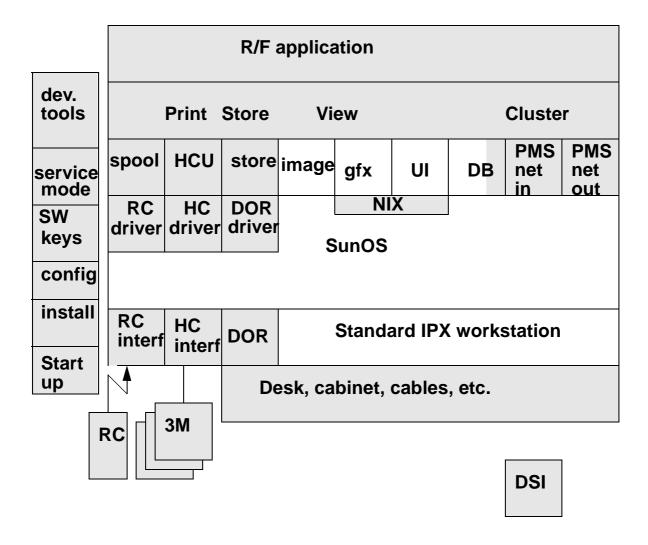
Risks:

- Continued prototyping
- Underestimated engineering effort

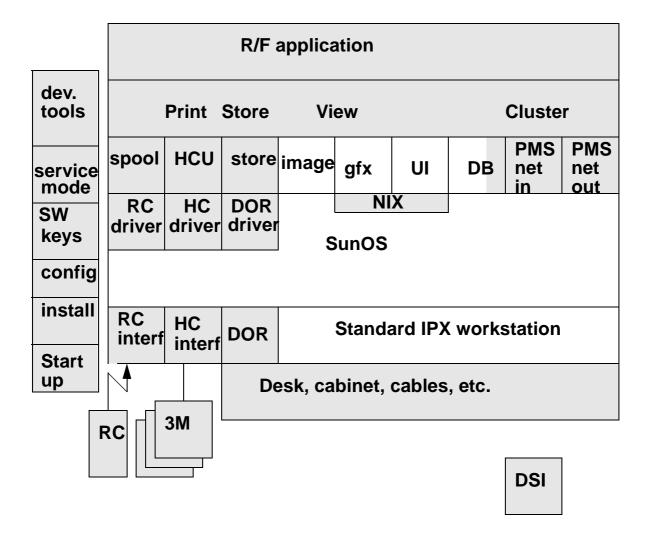
september 1991



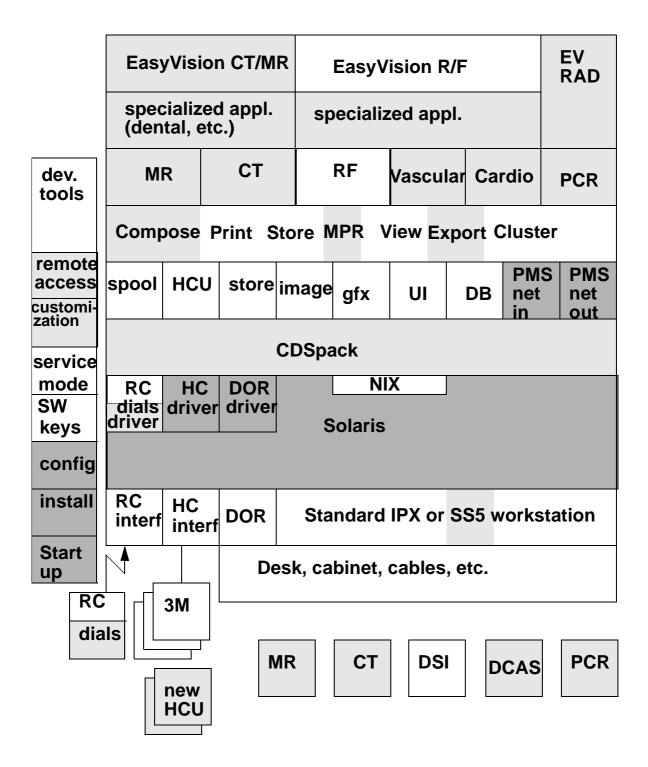
september 1992



september 1992



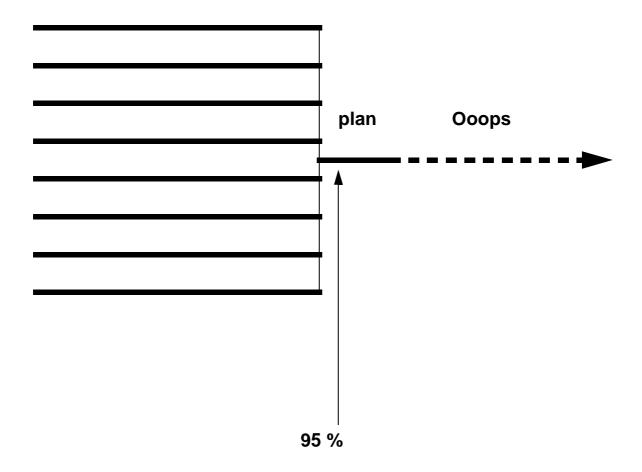
june 1994



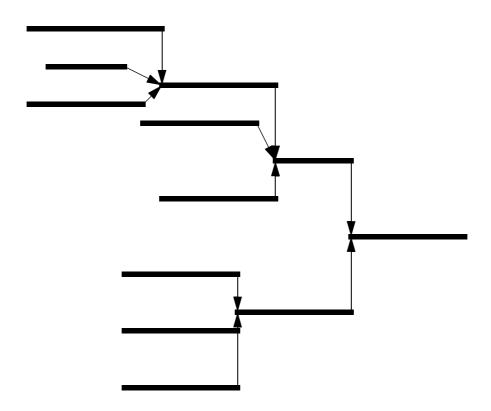
june 1994

					EasyVision				EV PCR		
	spec (den	ed appl.	sp	specialized appl.							
dev. tools	MR		СТ		RF	Vascul	ar Caı	dio	PCR		
	Compose Print Store MPR View Export Cluster										
remote access customi-	spool	HCU	J store	image	gfx	UI	DB	PMS net in	S PMS net out		
service	CDSpack										
sw keys	RC driver	HC drive	DOR er driver		NI Solaris	X					
install	RC interf	HC inte	rf DOR	Sta	ndard	IPX or	LX+ w	orks	tation		
Start up	Desk, cabinet, cables										
F		new HCU		MR	СТ	DSI	D	CAS	PCR		

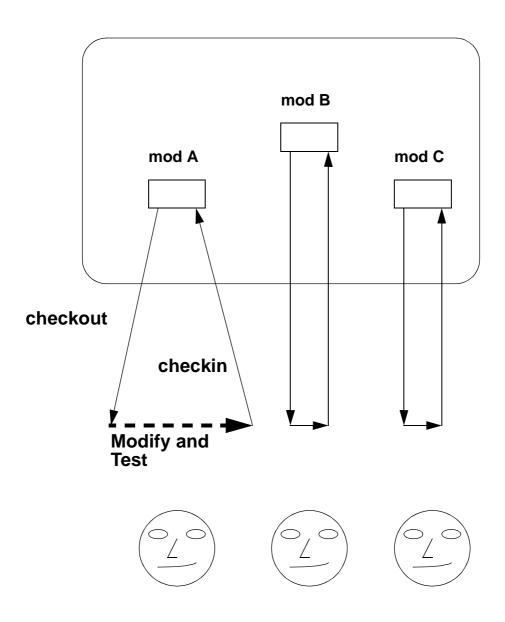
95% ready syndrome



Integration



SW archive



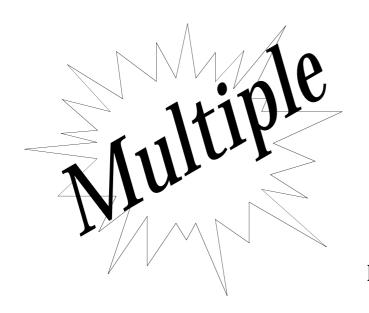
Consolidation every night

compile all affected sources

- build all libraries
- build all executables
- [run regression tests]
- run analysis tools, [metrics]
- if OK then Consolidate
 - else Repair required!

What is the problem we try to solve?

Efficient and cost-effective handling of



concurent projects
clinical applications
modalities
archives
product configurations
people
locations
platforms
operating systems
vendor connections

applications connections

Motivation for a main line archive

How to manage this situation? CT/MR1.1 1.2 CT/MR2.1 proto CT/MR2.1 appl. CT/MR Dicom proto **Dallas** MMRS proto IGS proto R/F Dicom p AD2 **R/F R2.2** R/F2.1 R/F1.2 2.1.2**RAD** OS/OS1/OS2/OS3 CT/MR2.1 R/F3.1 MMRS **EGN**

dec

jan

feb

mar

apr

may

jul

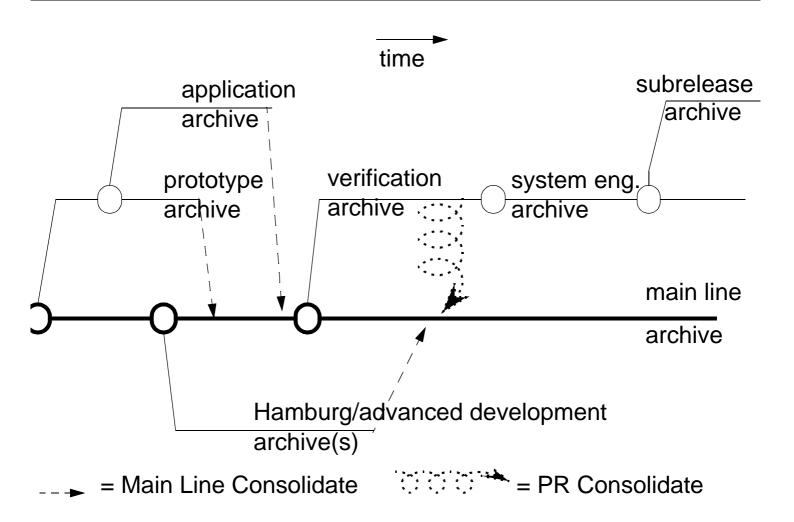
aug

sep

oct

nov

The various sorts of archives



The various sorts of archives

