



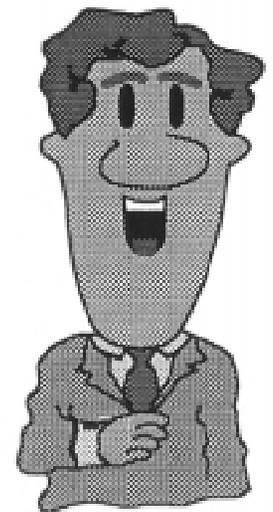
WESTRON

GENERAL INFORMATION

CONFERENCE ON NUCLEAR TRADE AND COMMERCE

WASHINGTON D.C.

NOVEMBER, 1998





WESTRON... Who are we?



American-Ukrainian JV

WESTinghouse+HartRON

WESTRON

- Full and perfect integration of western technology with Ukrainian engineering
- The world-first implementation of joint I&C system at a soviet-made reactor (VVER-1000)



WESTRON. What do we do?

**I&C Systems for: Nuclear Power Plants,
FPPs, metal and other plants**

- ✓ **MARKETING**
- ✓ **PROJECT MANAGEMENT**
- ✓ **ENGINEERING**
- ✓ **MANUFACTURING**
- ✓ **INTEGRATION & TESTING**
- ✓ **INSTALLATION**
- ✓ **SERVICE**
- ✓ **TRAINING**





WESTRON. Who are our Customers?



■ **Ukraine**

**ALL Ukrainian VVER NPPs
Chernobyl NPP
Mironovskaya FPP
Hartron**

■ **Russia**

**Kursk NPP
Leningrad NPP**

■ **USA**

**Trade & Development Agency
Westinghouse**

■ **Bulgaria**

Kozloduy NPP

■ **Czech**

Temelin NPP

■ **.....**

to be continued





WESTRON. NPP recent projects



Project	Site	Status
■ Computer Information System	SUNPP-1	Completed 96/98
■ Turbo Generator Monitoring System	SUNPP-1	Completed 98
■ Interface with In-Core Monitoring System	ZNPP - 2	Completed 97
■ Safety Parameters Display System	KhNPP-1	Installed 98
■ Safety Parameters Display System	ZNPP - 5	Installed 98
■ Safety Parameters Display System (Phase 1)	SUNPP-1	Installed 98
■ Safety Parameters Display System	ChNPP-3	Installed 98



WESTRON. NPP active projects.



Project	Site	Completion
■ Safety Parameters Display System	SUNPP-2	1999
■ Safety Parameters Display System	ZNPP - 3	1999
■ Safety Parameters Display System	RNPP - 3	1999
■ Computer Information System	SUNPP-2	2000
■ Turbo Generator Monitoring System	SUNPP-2	2000
■ Steam Generator Feedwater Control System	SUNPP-2	1999
■ Computer Information System	KhNPP-2	2000
■ Computer Information System	RNPP - 4	2000
■ Radiation Monitoring System	ZNPP - 1	2000
■ Steam Generator Feedwater Control System	SUNPP-1	2000



WESTRON. Who are our Partners?



■ **Ukraine**

Energoproject

LvovORGRES, DonORGRES

Hartron

Monolit, Impulse

■ **Russia**

RDIPE

WESTEK

■ **USA**

Westinghouse, B&R, PNNL, PP&I

■ **Belgium**

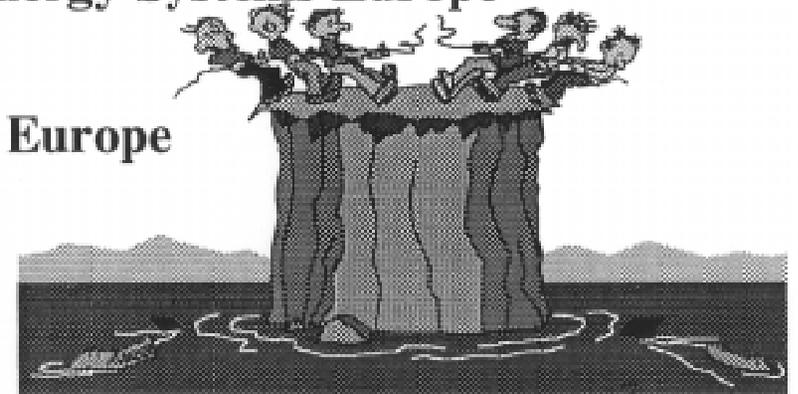
Westinghouse Energy Systems Europe

■ **Czech**

ZAT

■ **Poland**

Process Control Europe

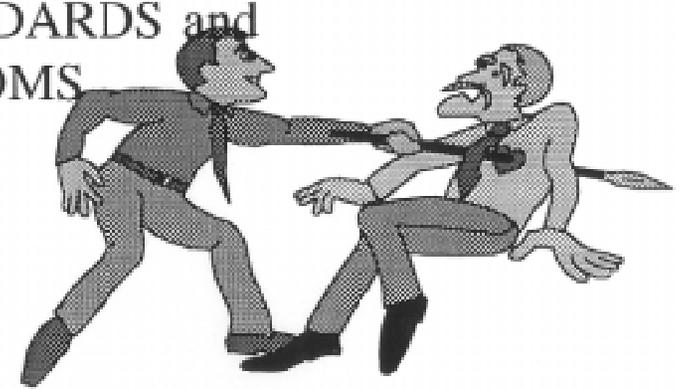




WESTRON. What are our advantages?

- UNIQUE EXPERIENCE OF LONG-TERM SUCCESSFUL COOPERATION WITH AMERICAN PARTNER IN HI-TECH AREA
- SKILLED PERSONNEL
- PROVEN GOOD RELATIONS WITH CUSTOMERS AND UKRAINIAN PARTNER ORGANIZATIONS
- COMPETITIVE PRICES
- WE USE UKRAINIAN CODES & STANDARDS and KNOW LOCAL TRADITIONS & CUSTOMS
- WE ARE VERY FLEXIBLE

WE are STRON_®





WESTRON.

Milestones



- **1993** **Westinghouse/Hartron negotiations**
- **1994** **Westron Business Plan**
- **1994** **Consortium Agreement signed**
- **1994** **Nunn-Lugar Grant**
- **1995** **TAPLA signed**
- **1995** **First Contract with NPP signed (SUNPP)**
- **1996** **First System Shipment to Site**
- **1996** **First System Installation (CIS) at SUNPP**
- **1997** **Ukrainian certificate for product obtained**
- **1998** **Ukrainian President visited Westron**



WESTRON. Technology transfer.



Westinghouse/Westron

TECHNICAL ASSISTANCE AND PATENT LICENSE AGREEMENT

was signed in February, 1995

- **CAD**
- **HARDWARE ASSEMBLY & TESTING**
- **PROGRAMMING & INTEGRATION**
- **SYSTEM SOFTWARE**
- **STANDARD APPLICATION SOFTWARE**
- **TOOLS & MANUALS**



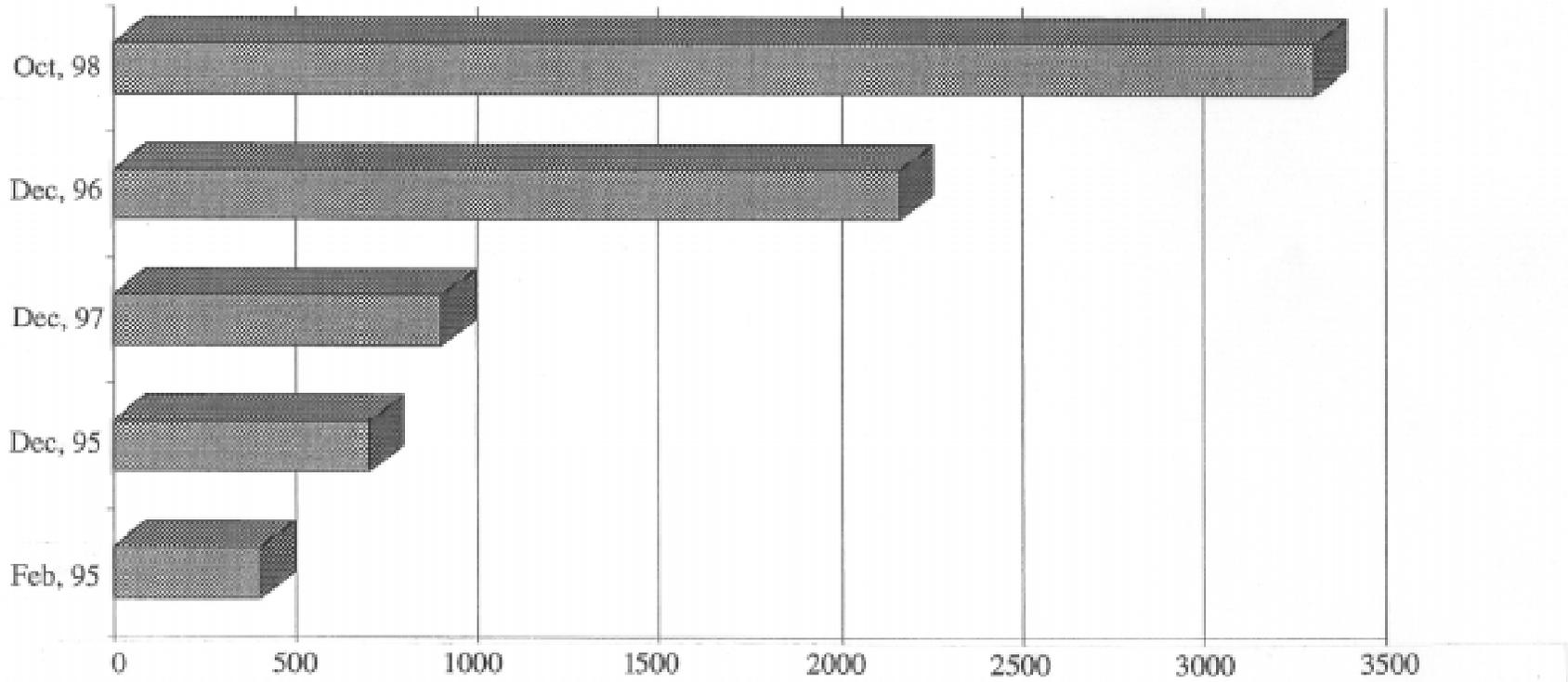
WESTRON. Russian/Ukrainian WDPF

- 1995 NRA LICENSE FOR WESTRON
(1E & non1E Systems for NPPs)
- 1996 FULL RUSSIAN LANGUAGE MMI
- 1996 WDPF RUSSIAN DOCUMENTATION(MANUALS)
- 1996 COMPLETE SET OF WDPF PROJECT
DOCUMENTATION (UKRAINIAN STANDARDS)
- 1996 LICENSE FOR INSTALLATION AT NPP (4N)
- 1996/97 WDPF CERTIFICATION AT STATE QUALITY
CENTER (3N REQUIREMENTS)
- 1998 LICENSE FOR SYSTEM AT NPP



WESTRON.

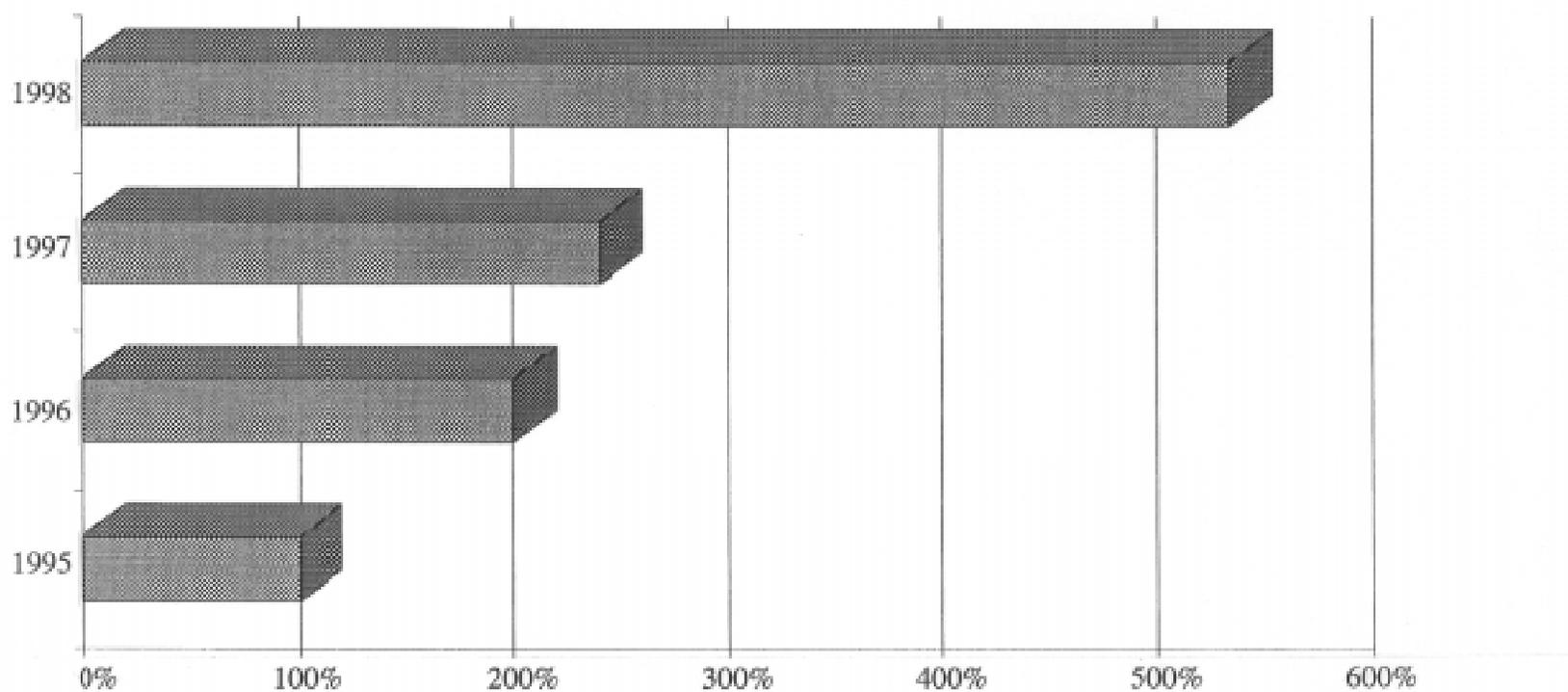
Orders.





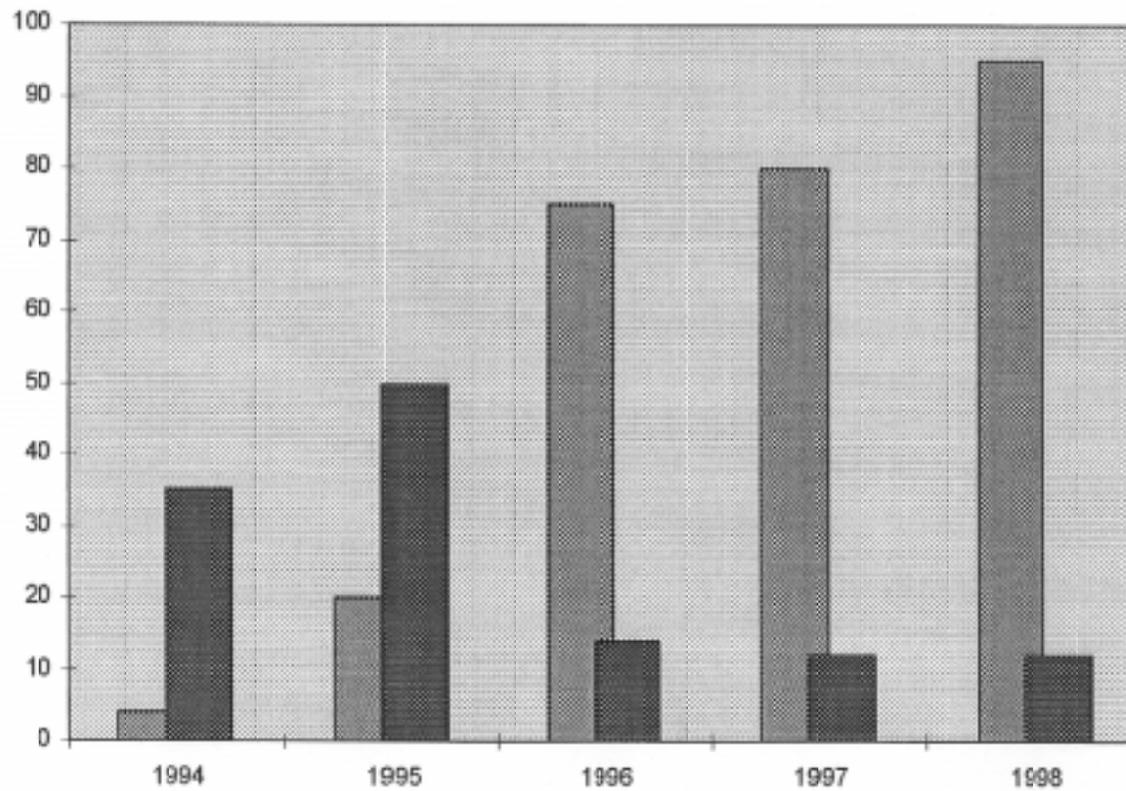
WESTRON.

Sales.





WESTRON. Number of Employees.





WESTRON.

Skills Profile.

