

Case Study — ROI: UFT Test Automation

UFT-based test automation reduced manual regression test effort from 50 hours to 2.7 hours per cycle and reduced critical production defects from 25 to 3 per release. The €44,800 investment paid off within the first year.

1. Initial Situation

Metric	Value
Regression test cases	250
Execution time per case	12 minutes
Manual effort per cycle	50 hours
Critical defects per release	25
Test coverage	55%

2. Implemented Solution

Implementation of UFT + ALM with reusable function libraries
Data-driven testing for complete variant coverage
Automated regression cycles integrated into CI/CD pipelines

3. Measured Results

Metric	Before	After	Delta
Effort per cycle	50 h	2.7 h	-47.3 h
Critical defects per release	25	3	-22 (-88%)
Test coverage	55%	95%	+40 pp

4. ROI Calculation

Position	Amount
Initial investment (licenses & development)	€44,800
Annual time savings (1,182.5h x €120/h)	€141,900
Avoided critical defects (22 x €1,500)	€33,000
Total annual savings	€174,900
ROI Year 1	+€130,100 (amortization ~4 months)