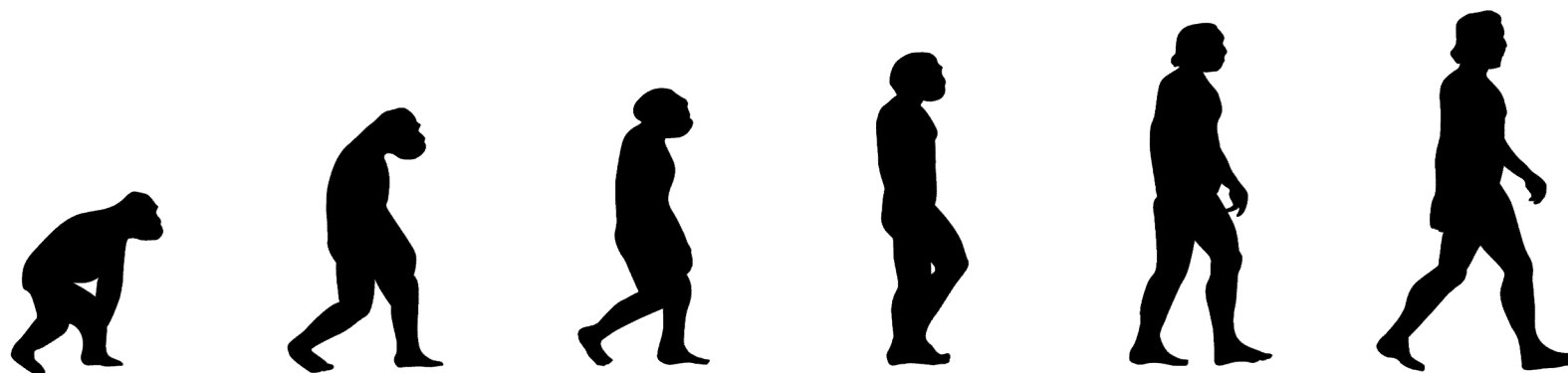


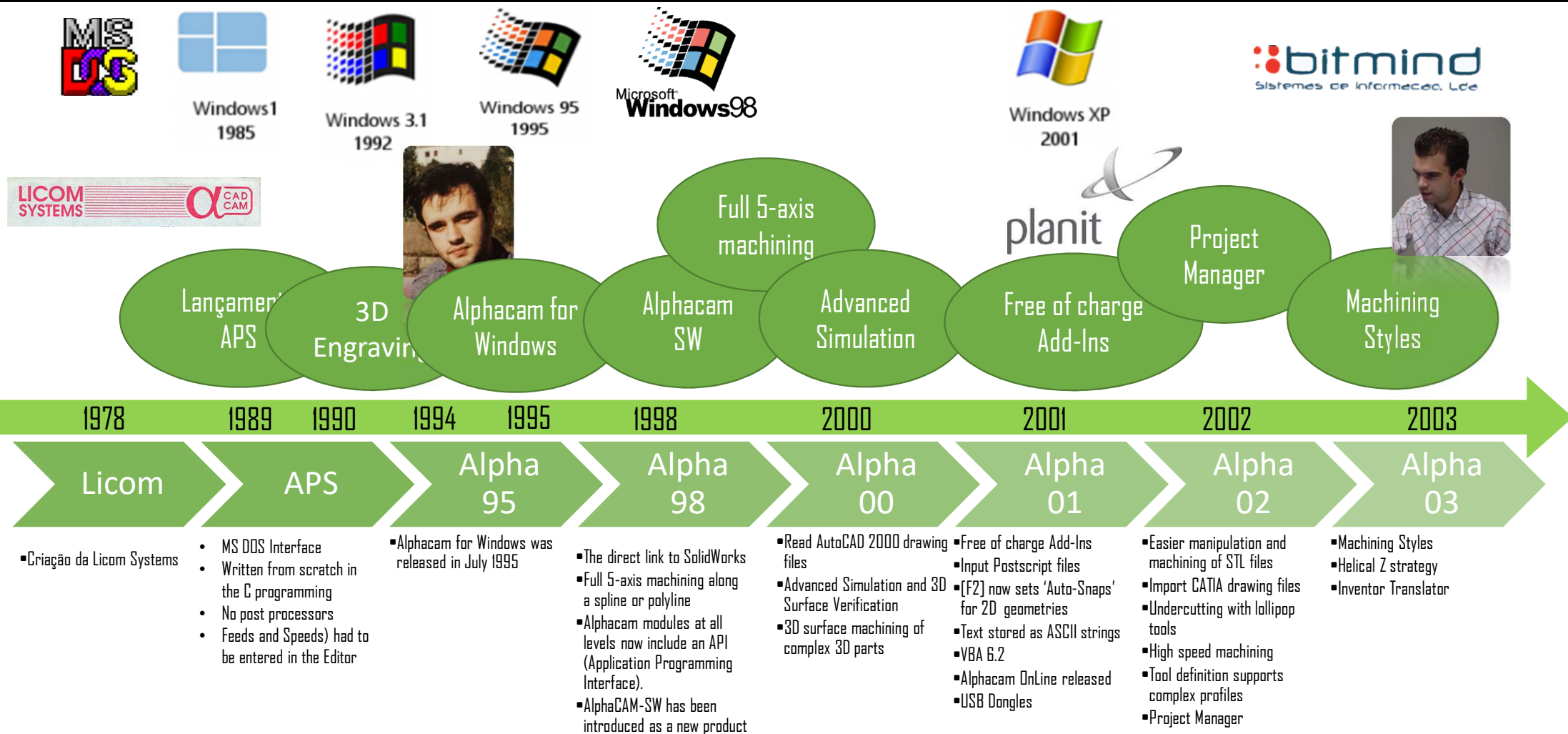
# ALPHACAM - EVOLUÇÃO

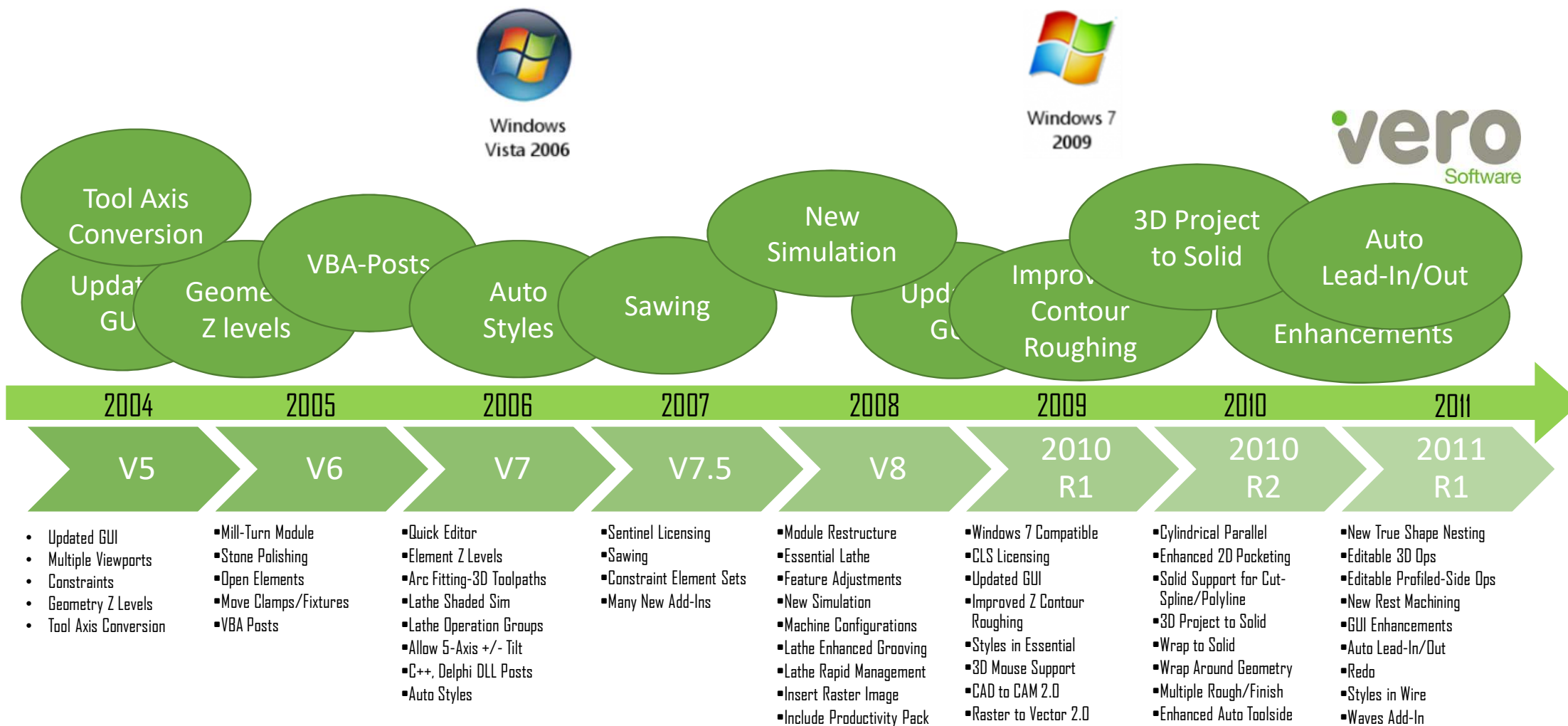


## Fundador Licom Systems 1978



**Mr. Sandy Livingstone**  
(1940 – 2011)



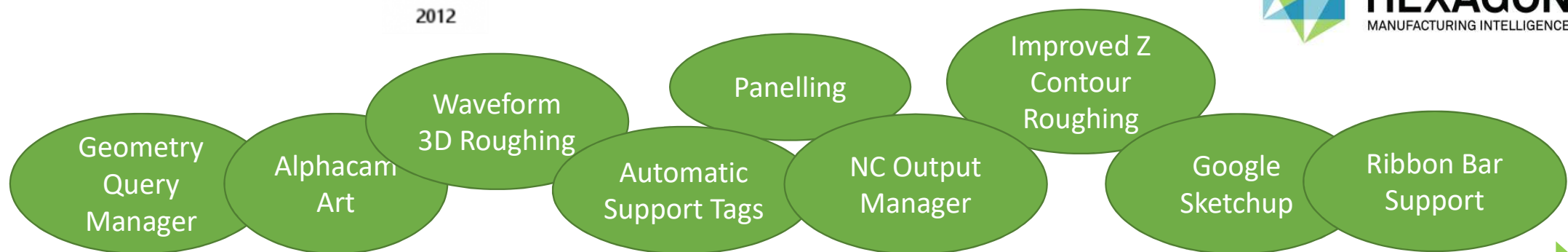




Windows 8  
2012



**HEXAGON**  
MANUFACTURING INTELLIGENCE



2011

2012

2013

2014

2015

2011  
R2

2012  
R1

2012  
R2

2013  
R1

2013  
R2

2014  
R1

2014  
R2

2015  
R1

- New Parallel 3D Machining Strategy
- Geometry Query Manager
- Automatic Work Plane Ordering
- Extract Solid Edge for Sawing
- Auto 3D Lead-In/Out

- Aspire for Alphacam
- All Op Types Now Editable
- Associativity Enhancements
- Editable VBA Created Ops
- Constant Cusp

- New Waveform 3D Roughing Machining Strategy
- New Feature Extraction Options
- New Automatic Rapid Manager
- Additional Operation Associativity and Editability Improvements

- Automatic Tool Path Oscillation
- Chamfering
- Combined Pocketing
- Automatic Support Tags
- Panelling

- Windows 8 Support
- New Solid Simulator
- More BTL Process Support
- NC Output Manager
- API Expansion

- Alphacam Simulator
- Spaceclaim CAD Loader
- Reports "live" label printing
- Aspire for Alphacam V4
- Latest DWG Support

- 5 Axis Path Optimiser
- Improved support automatic pods / clamps
- Automatic Software Testing
- Next Generation of Feature Extraction
- Advanced Turning Improvements

- Ribbon Bar Support
- Google Sketchup
- ModuleWorks Advanced 5 Axis
- Complex Tooling - Aggregates
- Multi Drill Support
- Improve Auto Alignment
- Re-design Project Manager





Windows 10  
2015

64-Bit  
Alphacam

Automatically  
Position  
Pods/Clamps

Parametric  
Sketcher

Automation  
Manager  
Improvements

Simulation  
Updates

2015

2016

2017

2015  
R2

2016  
R1

2016  
R2

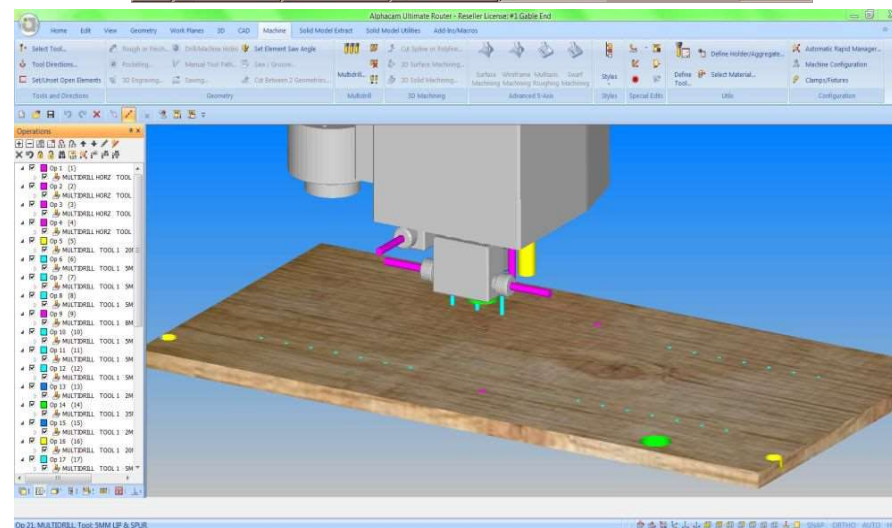
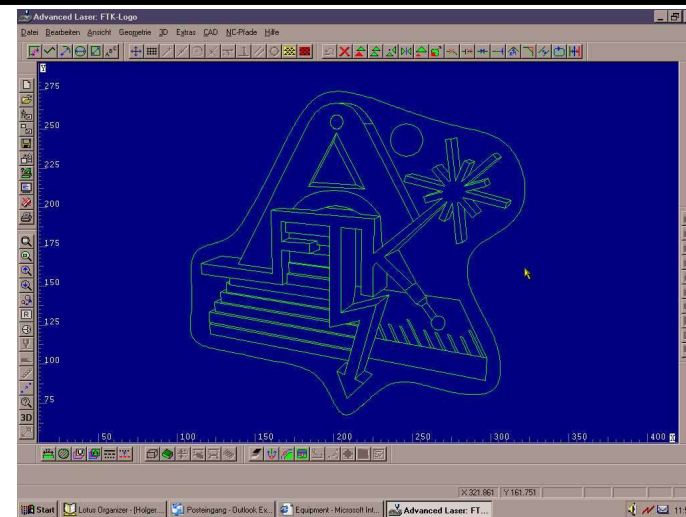
2017  
R1

- 64-Bit Alphacam
- Customizable Radial Menu
- Advanced 5 Axis: Wireframe, Multi Axis Roughing, SWARF Machining
- Solid Simulation, Texture Mapping of Materials, Rough/Finish Command: Previous Tool Profile Option

- Parametric Sketcher
- New Dialog Boxes
- 2D Transform Command
- Sawing Enhancements
- Simulation Enhancements
- Automatically Position Pods/Clamps
- Move Material with Clamps

- Alphacam Clipboard
- Lead-In/Out Enhancements
- Auto Insertion Modes
- New Sheet Database User Interface
- Feature Extration Updates
- Parametric Sketcher - Associate Images
- Simplify STL Command

- User Interface Improvements
- New 3D Machining Command
- Updates to Machining Cycles
- New Cad Files and Versions
- Sawing Enhancements
- Simulation Updates
- Automation Manager Improvements



Porsche 911



Porsche 911



# ALPHACAM - EVOLUÇÃO

Obrigado