

# THE CHEMAXON STORY – WHERE WE ARE AND WHAT WE ARE UP TO

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General Chemistry

Polymer Chemistry

Petrochemistry

Agrochemistry

Flavors and Fragrances

## Pharmaceutical and Biotech Industry – Drug Discovery

- Small molecules
- **Biological entities**



# What has changed

- Toolkits
- **Full Solutions for End Users**

**Plexus Suite**

- Individual Applications
- **Unified Software Suite**

**Plexus Suite**

- Focus on Single User
- **Focus on Collaboration**

**Marvin Live, Plexus Suite**

- Desktop Solutions
- **Web Based Solutions**
- *Hosted Solutions*

**Marvin Live, Plexus Suite, Marvin JS  
Compound Registration**

- Small Molecules
- **Biomolecule Support**
- **Analytical Data Support**
- **Document Repositories**

**Biomolecule Toolkit,  
Plexus Mining, ChemCurator,  
JChem for SharePoint**

**What hasn't changed**

**QUALITY**

**RESPONSIVENESS**

# New Release Policy

## Old

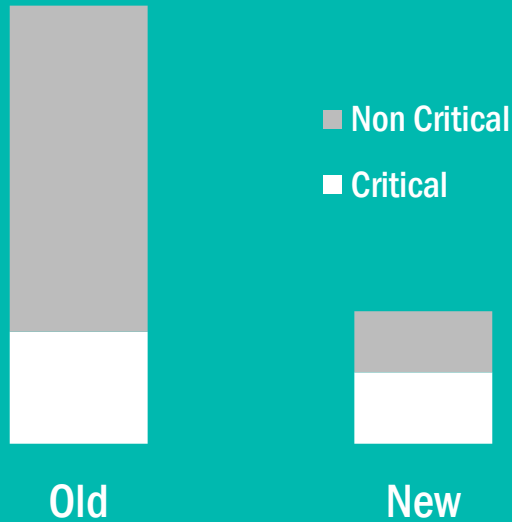
- Long development periods, short, focused testing before each release
- Only blockers bugs fixed, bugs accumulate
- Lower quality code
- Long periods w/o bug fixes and new features (3-6 m)

## New

- New test system, continuous testing
- Catch and fix bugs immediately
- Higher quality, more stable code
- Features and bug fixes are available sooner (1-2 w)

# Bugs in production

Last 10 months – JChem Base and JChem Cartridges bugs **dropped to one third**



# New Development Policy

## New Products and Solutions

- Idea validation: fail fast
- High quality, more robust code from the start
- Quick product release - quick feedback and improvement



- Single molecules, Markush structures, Reactions
- Discuss chemical design
- Virtual libraries

- Register compounds
  - small and large
- Browse and search
- Fetch data from documents
- Share knowledge and collaborate

- Characterize compounds
- Cross-check libraries
- Do complex analysis

- Create high quality drawings
- Add Chemistry to Documents
- Store and Search Documents
- Analyze Chemistry in Publications and Patents
- Manage Controlled Substances



Create

Store and Search

Analyze

Report and Share

Design

Connect

Mining

Analysis

Plexus Suite

Compound  
Registration

Biomolecule  
Toolkit

Instant JChem

Discovery Tools

Naming

Marvin

JChem for Office

JChem for SharePoint

Marvin Live

Marvin JS

JChem Base

Markush Technology

ChemCurator

Compliance Checker

Oracle

PostgreSQL

ELN

LIMS

Data Marts  
and  
Warehouses

KNIME

ChemAxon