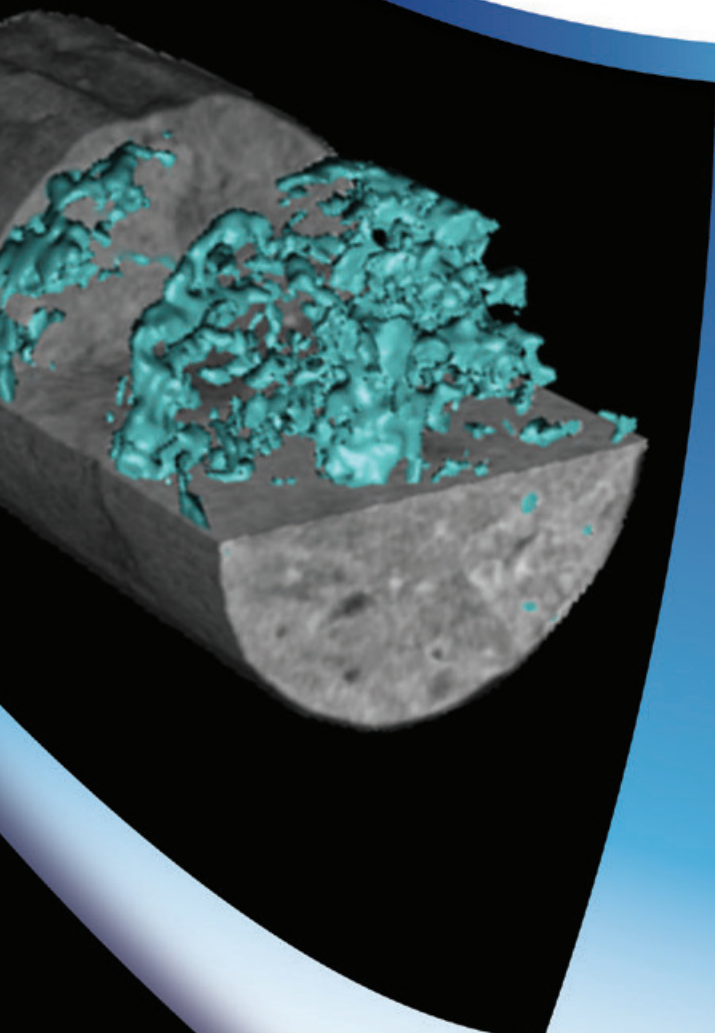# LANIKA SOLUTIONS

IPSDK
Smart Image Processing

> **IPSDK offers a Comprehensive and Optimized range of Functionalities for 2D and 3D Image Processing**

IPSDK is available in C++ and Python and enables you to unleash your computer's full potential through real application performance optimization.

> **High Performance Computing (HPC) Solutions for smart Image Processing**

IPSDK offers full PC cluster support. This major development enables high performance and high availability computing with reduced memory footprint.

Our Expertise

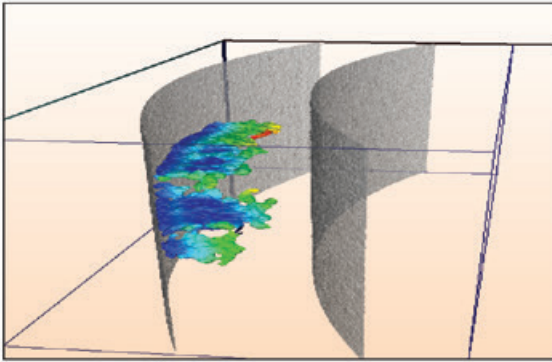Our experts will assist you in developing your application projects for all your image analysis needs:

+ Imbedding of our library in your application
+ Bespoke development
+ Consulting, feasibility studies
+ Training
+ Data cleansing
+ Research project collaboration

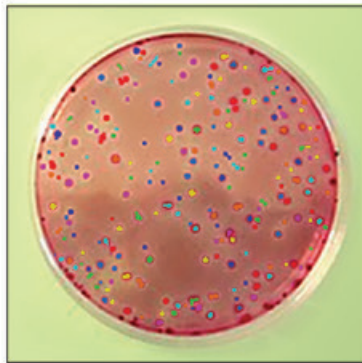*« Probably the best Image Processing Library on the Market! »*

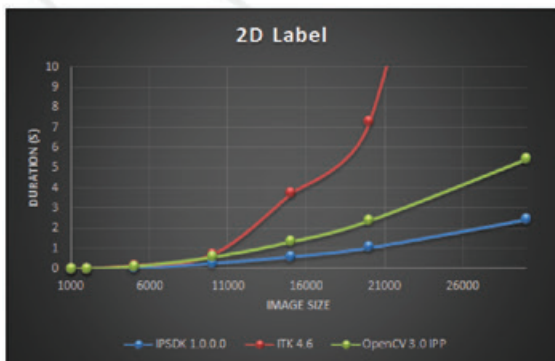**REACTIV'IP**
Your Technological Partner

IPSDK Smart Image Processing

Innovative Solutions in 2D and 3D Image Analysis

Crack Data (Tomographic Imaging RX)

Automatic Counting of Colonies

Processing time comparison for the Connected Component Analysis between ITK, open CV and IPSDK

❯ Our Activity
- Fully dedicated to the 2D and 3D Image Analysis Market
- Bespoke development
- Training and technical support

❯ Our Strengths
- Highly innovative software solutions
- Software editor

❯ Our Core Markets
- Microbiology
- Non-Destructive Testing (NDT)
- Industry / R&D Centers
- Medical
- Material property analysis
- Life Sciences

❯ The IPSDK Library
- Windows and Linux compatible
- Available in C++ and Python
- High performance calculation (multi-threading, distributed calculation, SIMD)
- Big Data support