SHIANT

Food Safety cloud

in Guizhou

SHIANT

Bing Yang

CONTENT



Food safety cloud

单击添加内容单击 添加内容单击添加 内容

Lims

单击添加内容单击 添加内容单击添加 内容

Community

单击添加内容单击 添加内容单击添加 内容

3

Portal

单击添加内容单击 添加内容单击添加 内容

Application

单击添加内容单击 添加内容单击添加 内容



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FOOD SAFETY CLOUD



Food safety cloud

Big data Introduction Aim



01 Big Data

Big health

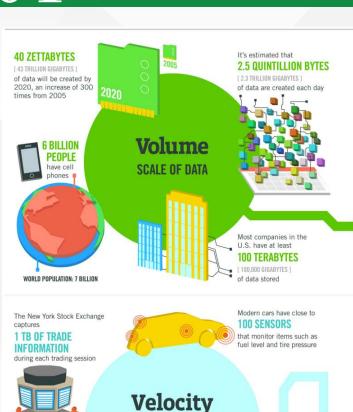
Detection Data Credibility
Food safety

Quality
People-Initelligence
Green
Visualizaiton

Credibility
Credibility
Credibility
Credibility
Credibility
Safety cloud
Pisualizaiton



Big Data



The FOUR V's of Big **Data**

break big data into four dimensions: Volume, Velocity, Variety and Veracity

4.4 MILLION IT JOBS



As of 2011, the global size of data in healthcare was estimated to be

150 EXABYTES

I 161 BILLION GIGABYTES I



Variety

DIFFERENT **FORMS OF DATA**

30 BILLION PIECES OF CONTENT

are shared on Facebook every month



WEARABLE, WIRELESS **HEALTH MONITORS**

By 2014, it's anticipated

there will be

420 MILLION

4 BILLION+ **HOURS OF VIDEO**

are watched on YouTube each month



are sent per day by about 200 million monthly active users

1 IN 3 BUSINESS

don't trust the information they use to make decisions



Poor data quality costs the US economy around

\$3.1 TRILLION A YEAR



27% OF

in one survey were unsure of how much of their data was



Veracity OF DATA



- almost 2.5 connections per person on earth

By 2016, it is projected

there will be

18.9 BILLION NETWORK



ANALYSIS OF

STREAMING DATA

Sources: McKinsey Global Institute, Twitter, Cisco, Gartner, EMC, SAS, IBM, MEPTEC, QAS



()1 Introduction





() 1 Aim

- Requirement of industry
 - Small enterprise
 - Shortage of inspection and data mining
 - A brake to development
- Development trend
 - Digitalization to all industries
 - Meet the trend of data help management and quality
- Government support
 - Guian District



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LIMS

点击添加内容点击添加内 容内容点击添加内容



02 What is LIMS

- Laboratory information management system
- Manage data, resources and workflows
- Reduce implementation, training,
 validation and maintenance costs



02 Why we design











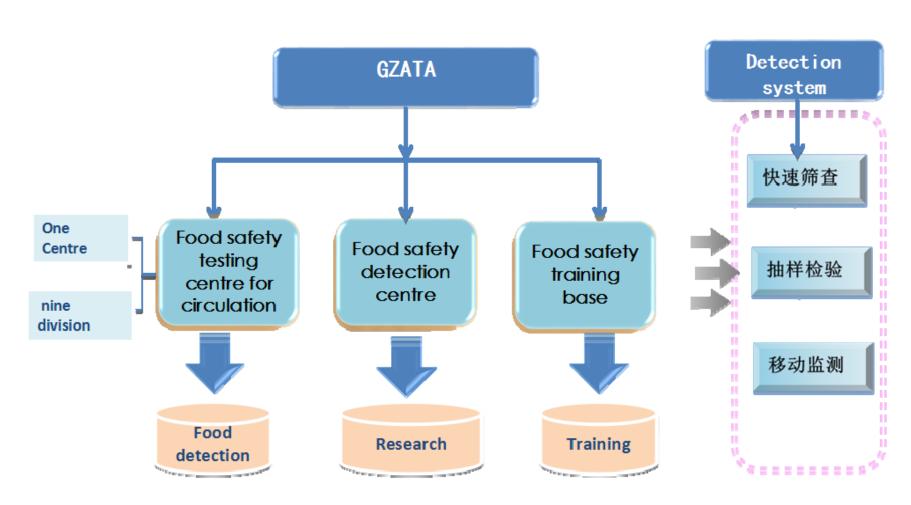
Guizhou Academy of Testing and Analysis was build in 1935. It is a social service organisation belongs to Guizhou Academy of Science

CMA, CMA-F, CNAS, GLP

Employees: 150



02 Why we design





02 Development of LIMS



- 2011
- 批次业务
- 标准库

- 2009
- ISO-17025

LIMS 1.0

LIMS 3.0

- 2013
- 表单自定义
- 业务流程自定义
- 夜单棋板
- 电子签证

FSNIP

- 2014
- Enterprise integration
- Standard Cloud
- FNS cloud
- FNS Consumer apps



02 Foundation of hardware

- "Guizhou cloud" by Alibaba
- Self foundation Purchase service
- Self management on the basis of Internet
- Safety



System





02 Adavantage

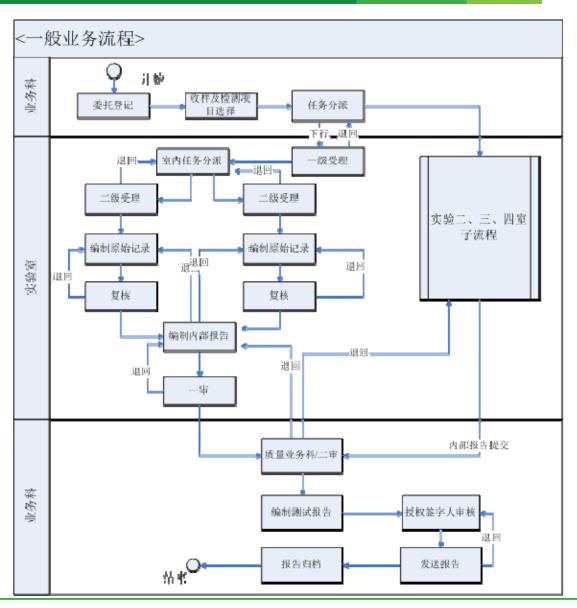
LIMS



- User-designed
 - Test item form
 - Test work flow
 - Resources
- Paperless
- Good theoretical knowledge
- Pulic trust



02 User-design workflow





02 Electronic signature

贵州省流通环节食品安全检验中心 检验报告

则检字 (20	13) 第 GMMZZA20140560	1号	共2页 第1页
样品名称	猪肉粽	检验类别	市场流通环节抽检
样品编号	GMMZZA201405001	抽样日期	2014年5月16日
角标	思念	批号/日期	20140426
生产企业	四川省思念食品有限公司		
抽样单位	世州省食品药品监督管理局		
规格型号	500克/袋	样品状态	包装、封条竞好
抽样量	2袋		
受检单位 (被全拠人)	资阳与当实胜购物有限公 司	主要仪器	高效液相色谱仪
抽样地点	乌当区高新办事处心恰小区		
判定依据	《除子》 (SBT 10577-2004) 《食品安全国家标准 食品海加州使用标准》 (GB 2760-2011)		
检验结论	所检指标符合 《粽子》(SB/T 10377-2004)、《食品安全国家标准 食品採加剂使用标准》(GB 2706-2011)标准要求。		
备往	抽样编号: GMMZZA201405001		
	_	单位盖章	
			2014年5月29日



批准: P4 华 审核: 分件 主检: 義庭漢



O2 Auto data collection

- Equipment data collection SDK toolkit
- Uniform internal note
- Uniform external API
- API for different type instrument





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KMS

点击添加内容点击添加内 容内容点击添加内容



03 Introduction





03 Service for profession

- Community
- Food standard and

regulation

 Online technical communication



03 Standard



FOOD BAFFTY OLDUD



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04

Portal

点击添加内容点击添加内 容内容点击添加内容



04 Introduction

Learn food safety knowledge Learn food safety knowledge

Consumer communication

Products display





04 Advantage



Various information



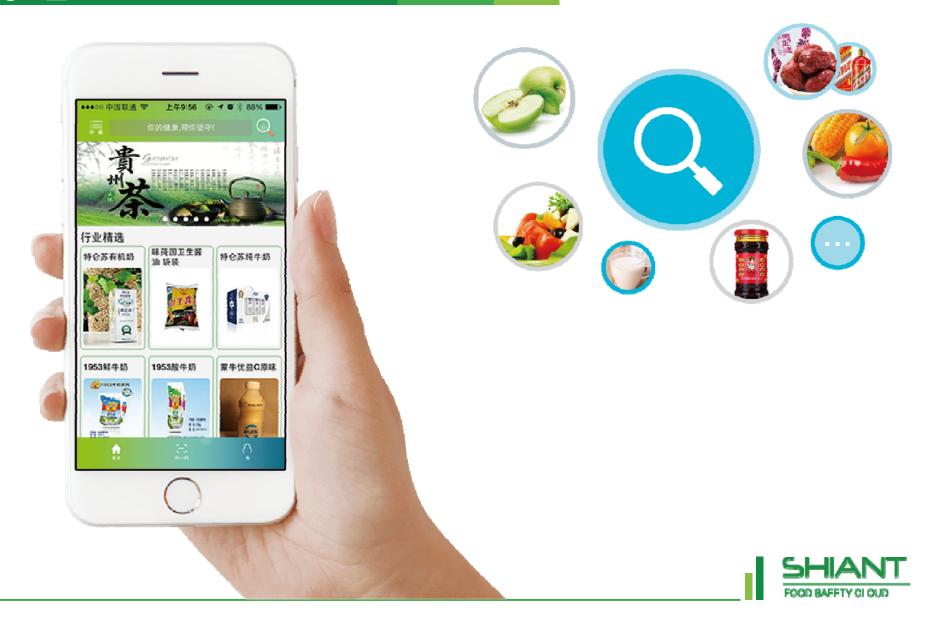
Save cost



Safety and convenient



04 Mobile apps



04 QR codes

Interesting? Scan it!





Thanks!