



HITACHI
Inspire the Next

Strategy for Global Quality Assurance

2017年11月24日

株式会社 日立製作所
システム&サービスビジネス統括本部
品質保証本部

大石 晃裕

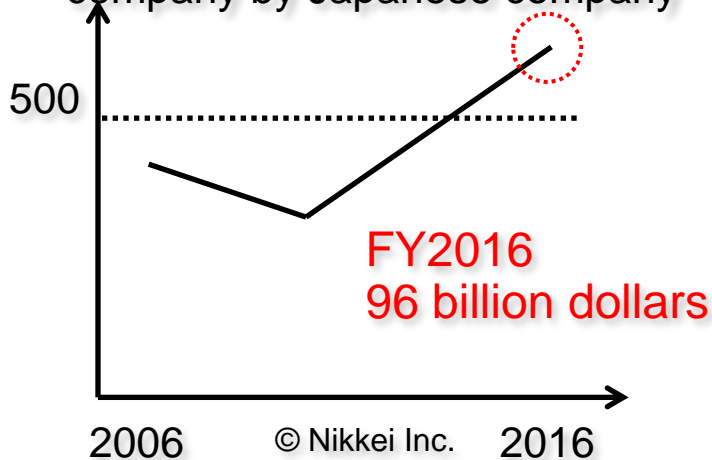
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2. Quality Risk Analysis
3. Solutions to the Issues
4. Key Points to Success in the Operation
5. Predicted Effect
6. Conclusion

1. Background (1/2)

Hitachi, Ltd.

The number of M&A of overseas company by Japanese company



**SSB
(*1)**

システム&サービスビジネス統括本部

金融ビジネスユニット(BU)

公共社会BU

産業・流通BU (産業ソリューション事業部)

サービス&プラットフォームBU

鉄道BU

アーバンソリューションBU

エネルギーソリューションBU

ヘルスケアBU

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品質保証本部

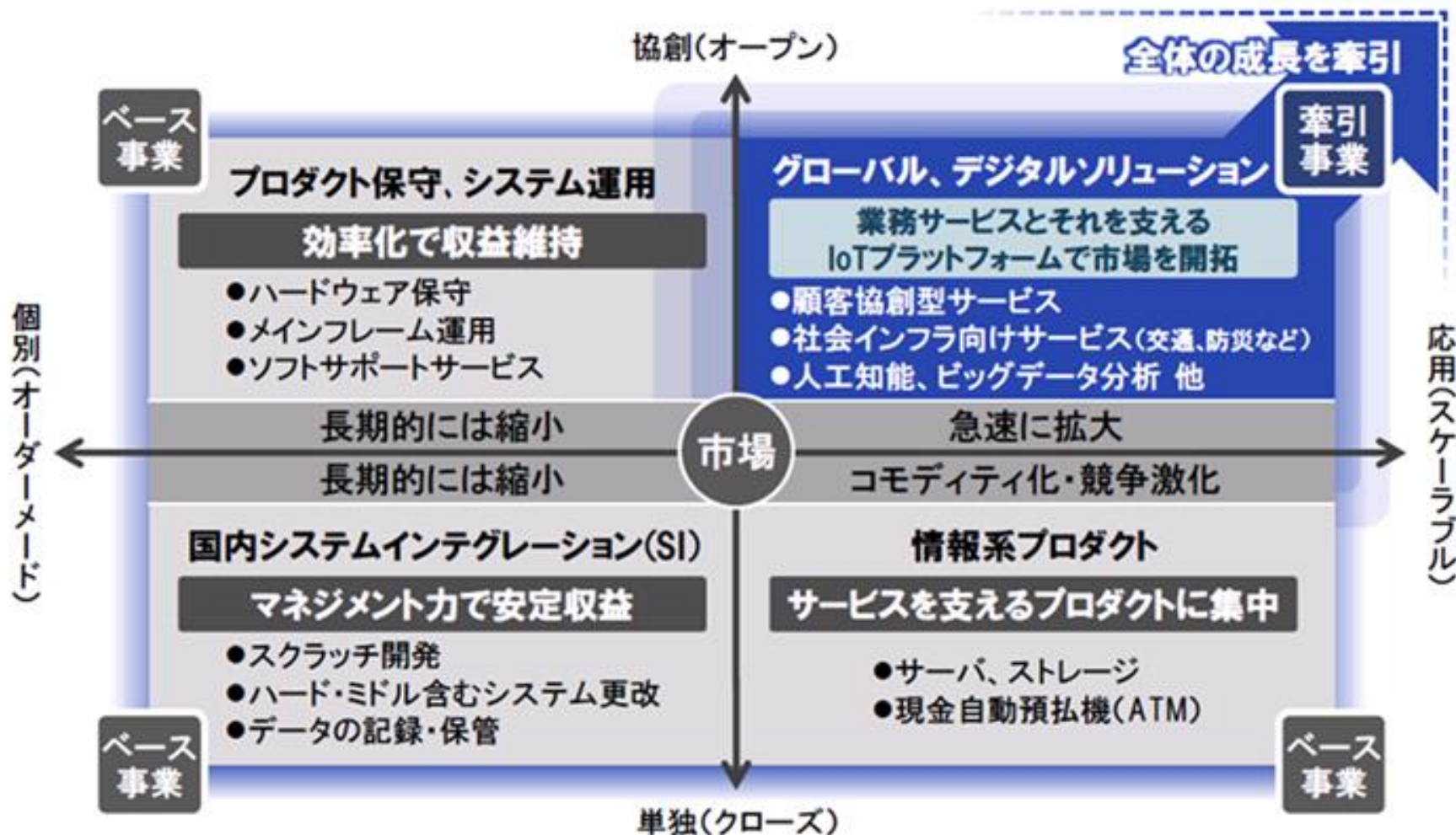
2018 Mid-term Management Plan Targets

SSB

	FY2015	FY2018 Targets
売上げ	2兆1093億円	2兆2000億円
営業利益	6.7%	10.0%
海外売上げ比率	33 %	37%

(*1)SSB: System & Service Business

2.1 日立グループのグローバル化が加速



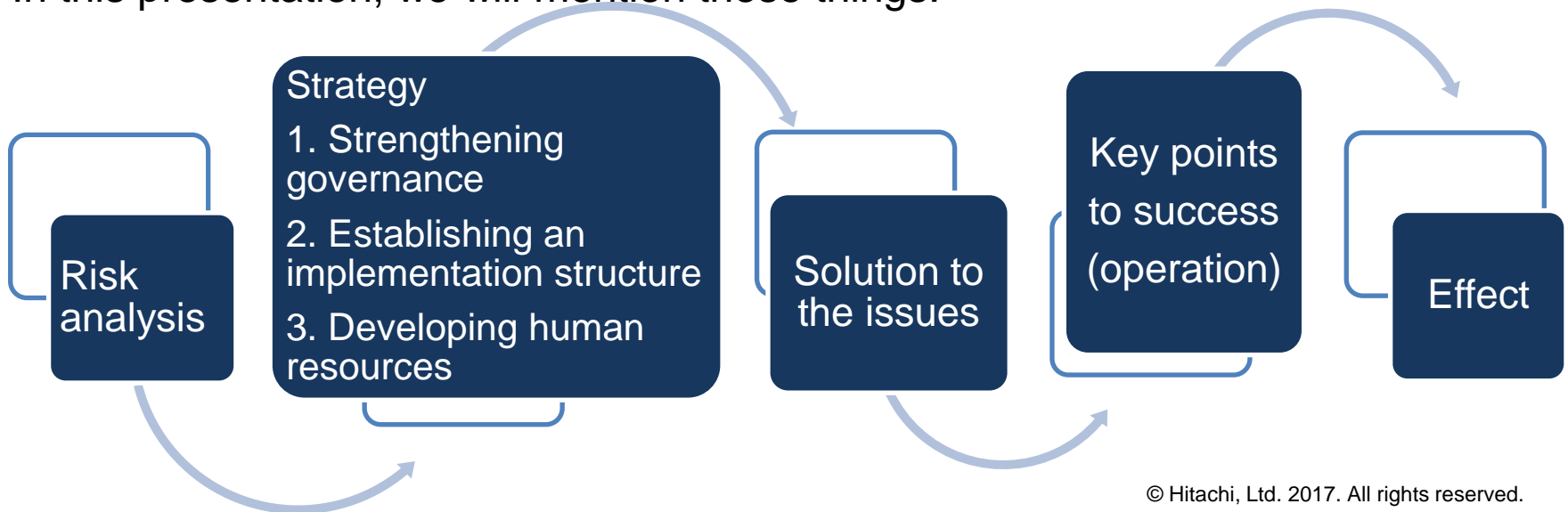
【Hitachi's Business Strategy】 Social Innovation Business
【Hitachi's Strong Point】 OT × IT × Product

Challenges of expanding global business

1. Manage Quality Risks

2. Remain Competitiveness

In this presentation, we will mention these things.



2. Quality Risk Analysis

2-1 Hitachi Business Strategies and Quality Risks

2-2 Three Global Quality Assurance Strategies

Hitachi ICT division draws up and execute the global business strategies

1. Growth through M&As and collaboration

- Increase of costs implementing Japanese way
- After M&A, local customers expect system would be much better quality

2. Expansion of the solutions business and social innovation business (IT × OT)

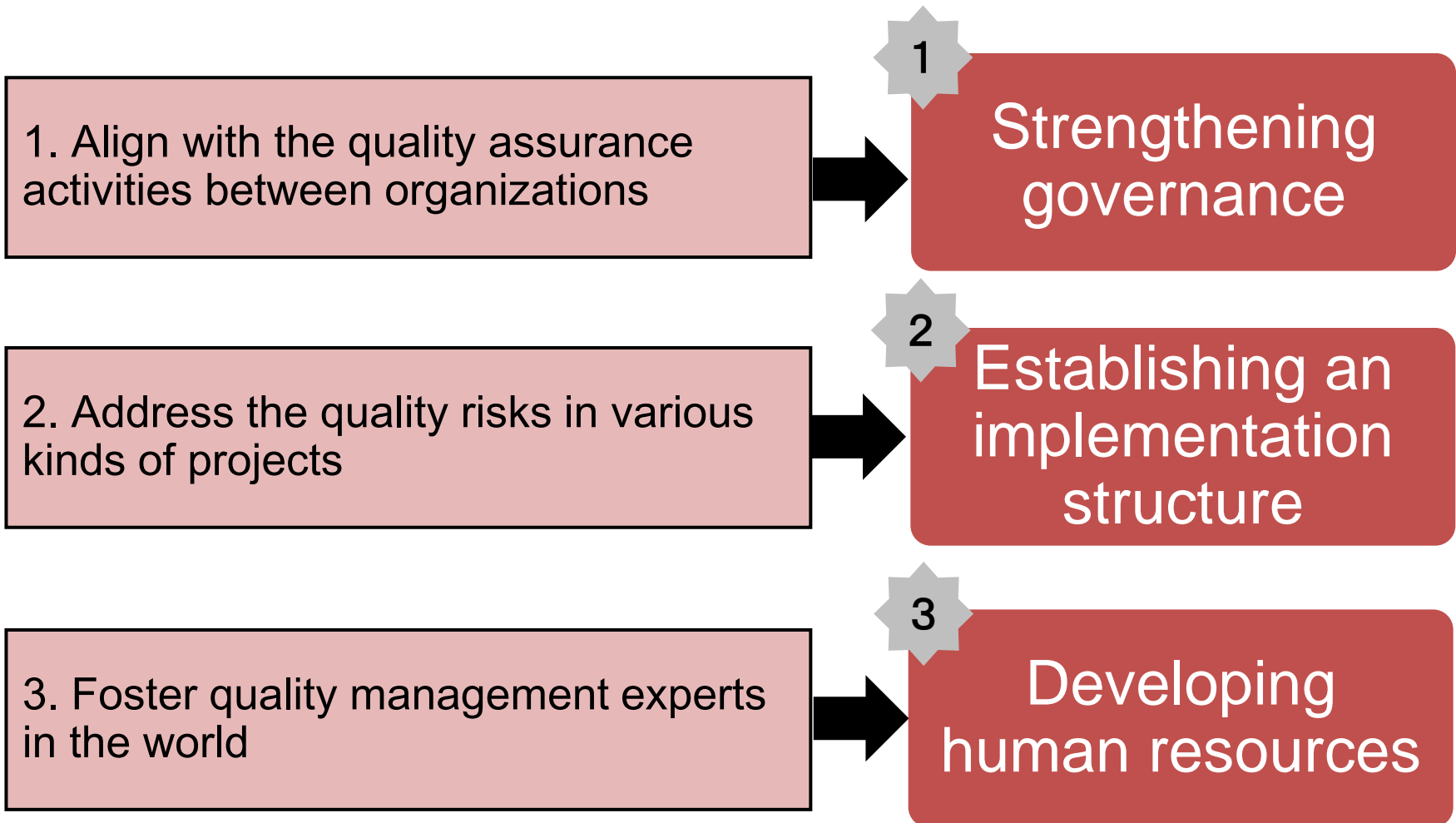
- Multiple product failures at the same time and delayed escalation

3. Strengthening of collaboration with overseas group companies and development sites

- The different views about quality causes additional labor-hours and re-working

Total of 26 overseas group companies (as of April 2017)

We need to set the countermeasures against the Quality Risks



グローバル化・デジタルソリューションビジネス拡大に対応して、

- ① 日立のグローバル品質保証戦略を立てる
- ② 国内の強固なQAネットワークをグローバルに展開する

目的: **事故情報の共有と迅速な対応**

①「品質保証規程」適用展開

全海外法人へ適用義務付け

- ・事故の第一報の迅速化
- ・品質マインドの醸成

品質保証規程

- ・重要事故幹部報告
評価基準
- ・QAマネージャーミーティング
- ・落穂拾い
- ・QA月報
- ・品質マネジメント基準
- ・ドキュメント管理基準

ガバナンス強化

- ・グローバル品質保証規定の海外法人適用
- ・障害収集基盤開発とグローバル展開

**グローバル
品質保証戦略
3つの柱**

人財育成

- ・グローバルQA/品質管理エキスパート
認定制度の定義と展開

目的: **品質問題の未然防止**

②「地域毎の品質保証活動」

品質リスクに対する品質改善活動の推進

- ・大中規模の海外SI案件が増え、
ロスコストのリスク増加への対処
- ・セキュリティ事故への対処

実行体制の確立

- ・地域・ビジネスユニット戦略に基づいた
グローバルQA戦略策定と実行体制の確立

3. Solutions to the Issues

3-1 Strengthening Governance

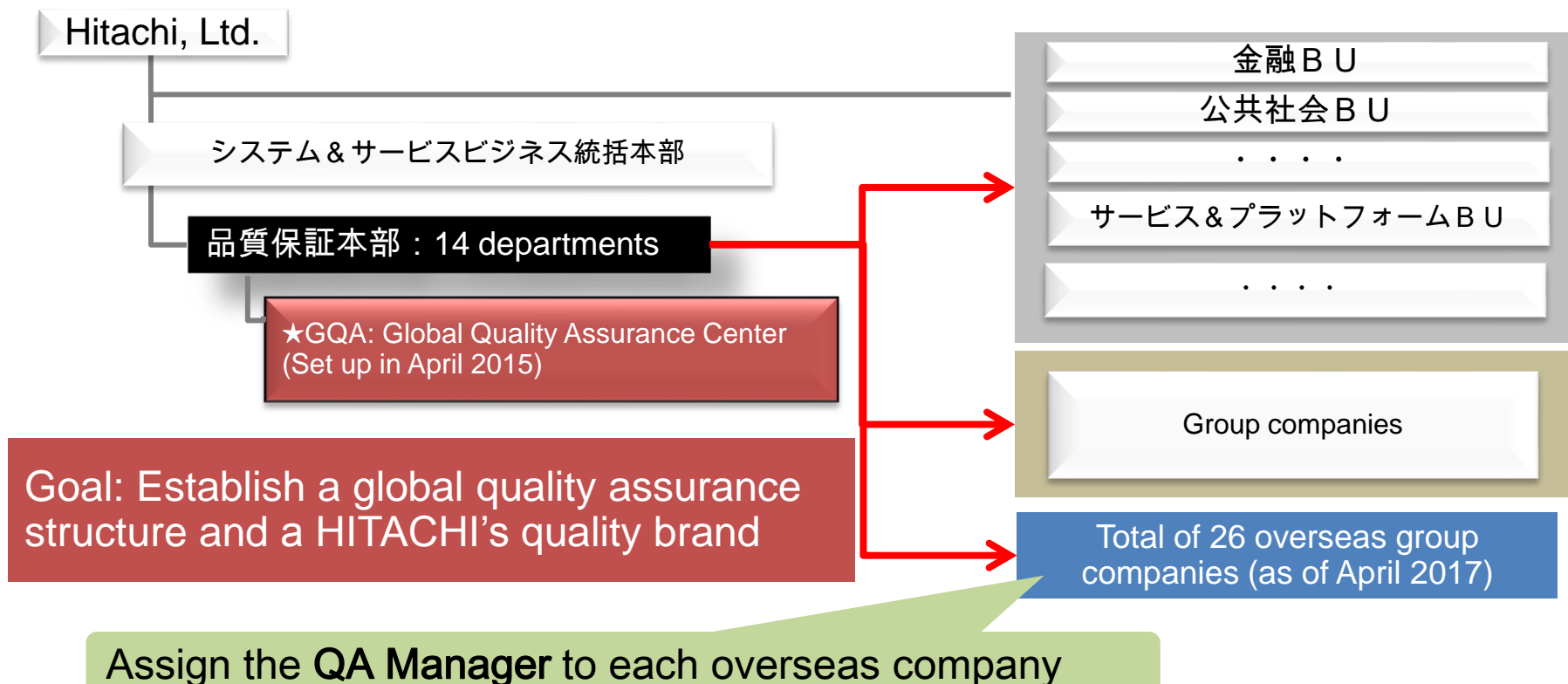
3-2 Establishing an Implementation Structure

3-3 Developing Human Resources

3-1 Strengthening Governance (1/2)

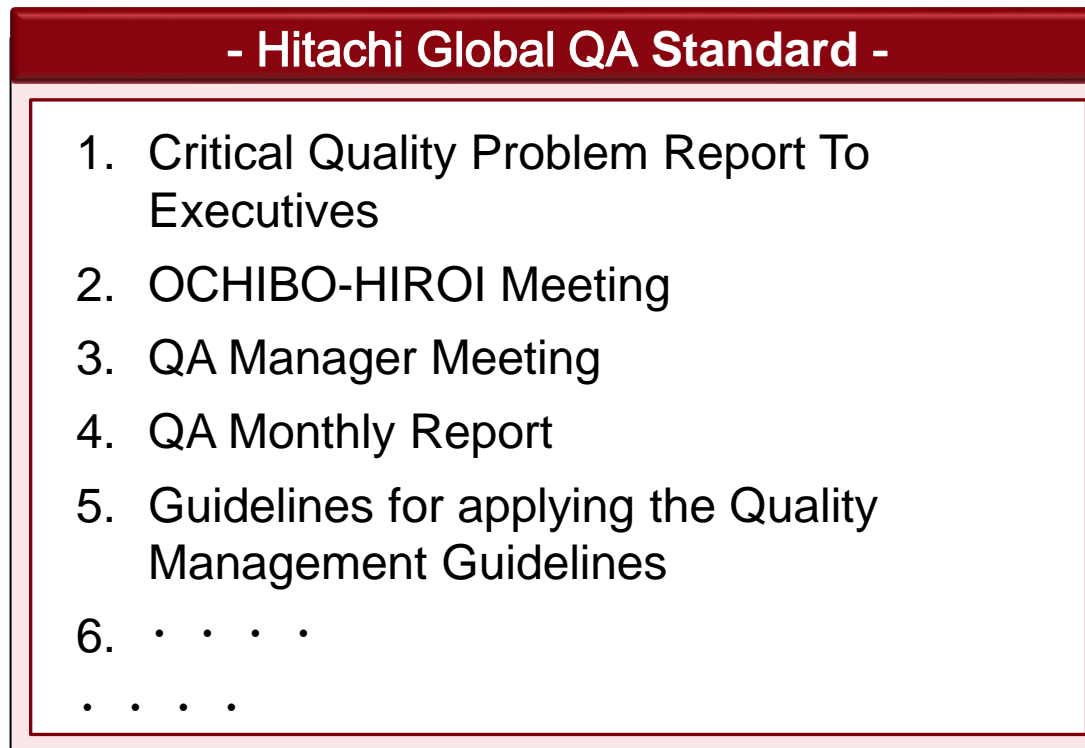
We established a Global Quality Assurance Center to resolve the problems and execute the strategies.

QA organizations



3-1 Strengthening Governance (2/2)

We established a “Hitachi Global Quality Assurance Standard”



Collaborate with QA manager

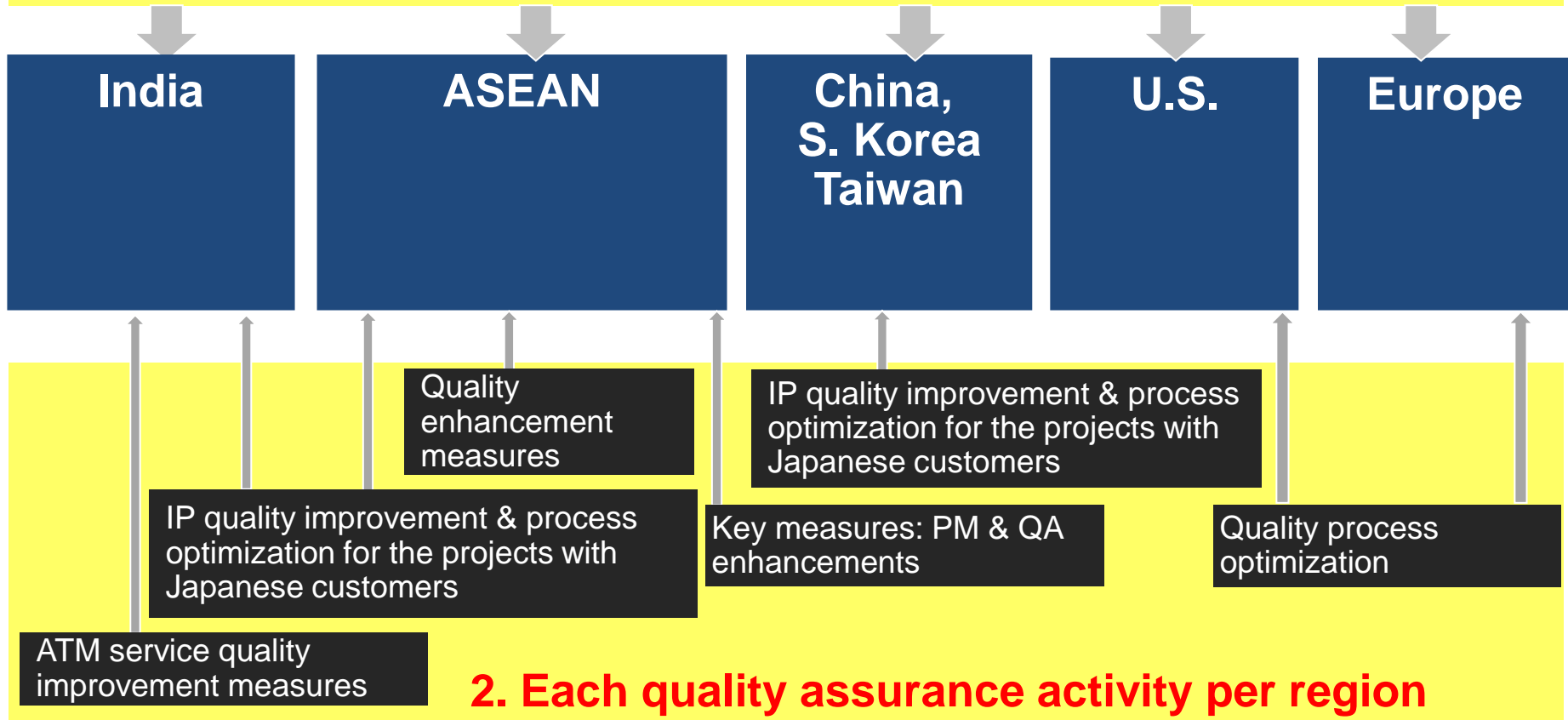
Visualization of issues

Escalation to executives

Address the issue quickly

3-2 Establishing an Implementation Structure

1. Systematic quality assurance activities in the organization - Applying the Quality Assurance Standard to all companies -



Support

Japan

What is the “Role of QA” ?

<Hitachi QA Manager Role>

PJ: Project

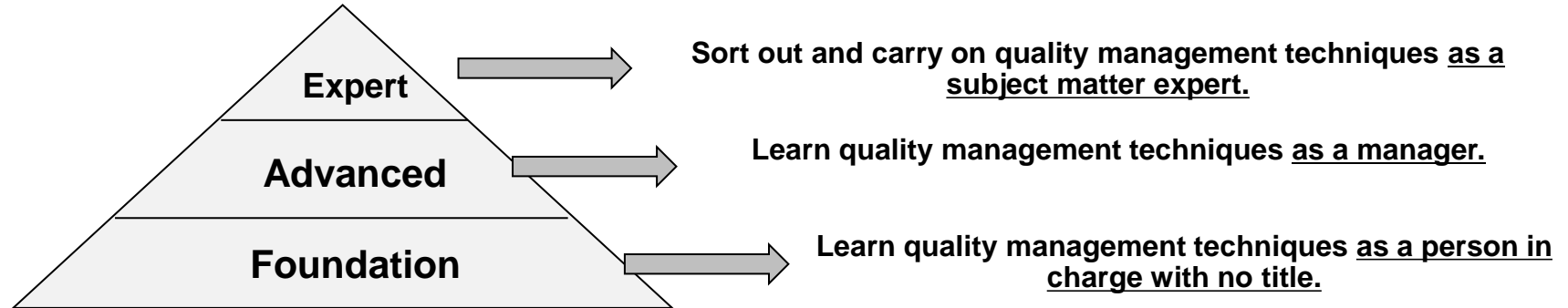
Organization Level		PJ Level (optional)
QMS	PJ Monitoring	Management QA
ISO9001 Rules Guidelines Training Metrics Analysis Tools	Reporting Review the Phase Gate Audit	Judge - Quality Plan - Quality Control - Quality Improvement Product QA Inspection Process QA Audit



What is the “QA skill needed” ?

Hitachi Training Programs in Japan (2012/2H onward)

Organize quality management techniques into knowledge that is to be provided in training courses.



Developing skills for discerning quality accurately for each layer of human resources

Propagation to overseas group companies

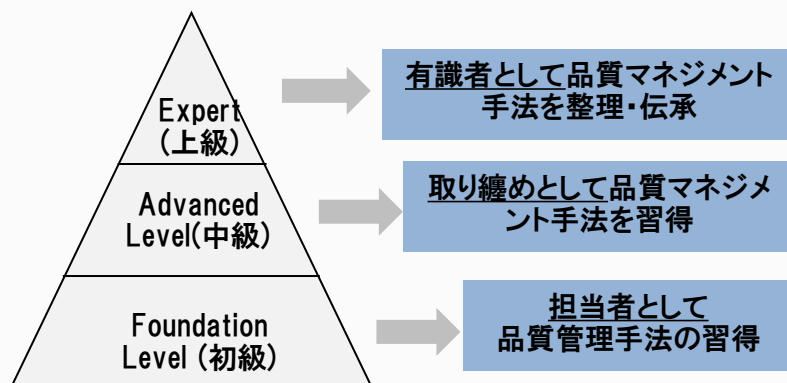
Organizing the training programs

- Provide training materials organized into components that suit the nature of the business of the company.
- Provide concrete case examples and templates.

・国内はSE・QA向け、グローバルではQA向けに認定制度を展開する

日本国内の育成施策(2012下～)

日立:品質管理エキスパート認定制度
国内の品質管理手法を知識化し講座を展開

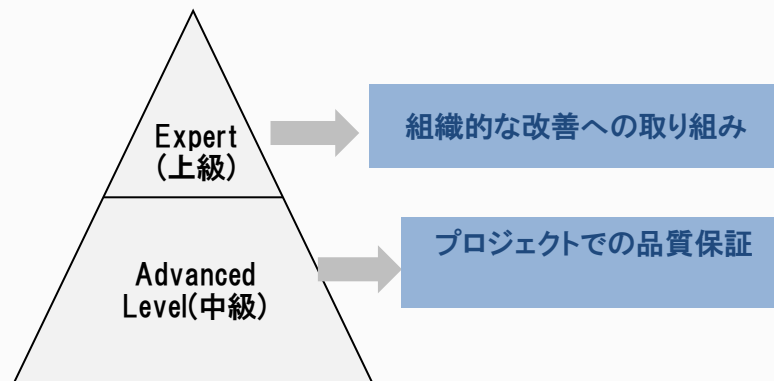


『人財層別に品質を的確に見極めるスキルを育成中。2017年9月時点で、**4734**名が受講。CIP*の1職種として推進中。』


*日立ITプロフェッショナル認定制度(Hitachi Certified IT Professional)
グローバル・メジャー・プレーヤーにふさわしい高度ITプロフェッショナルを育成する

国外の育成施策(2018上～)

- 日立:グローバルQA認定制度の発足
- 海外現地法人のSE・QA向け教育の推進



日立におけるQA人材像:



- (1) 自社の品質マネジメントシステム(QMS)を熟知し、**組織的な改善に取り組める人**
- (2) 一般的な品質保証の知識があり、プロジェクトへ適用できる人
- (3) テストマネジメント技術を持ち、プロジェクトで技術を実行できる人

4. Key Points to Success in the Operation

4-1 Points to Consider at the Organizational Level

4-2 Points to Consider the Expectation Gap

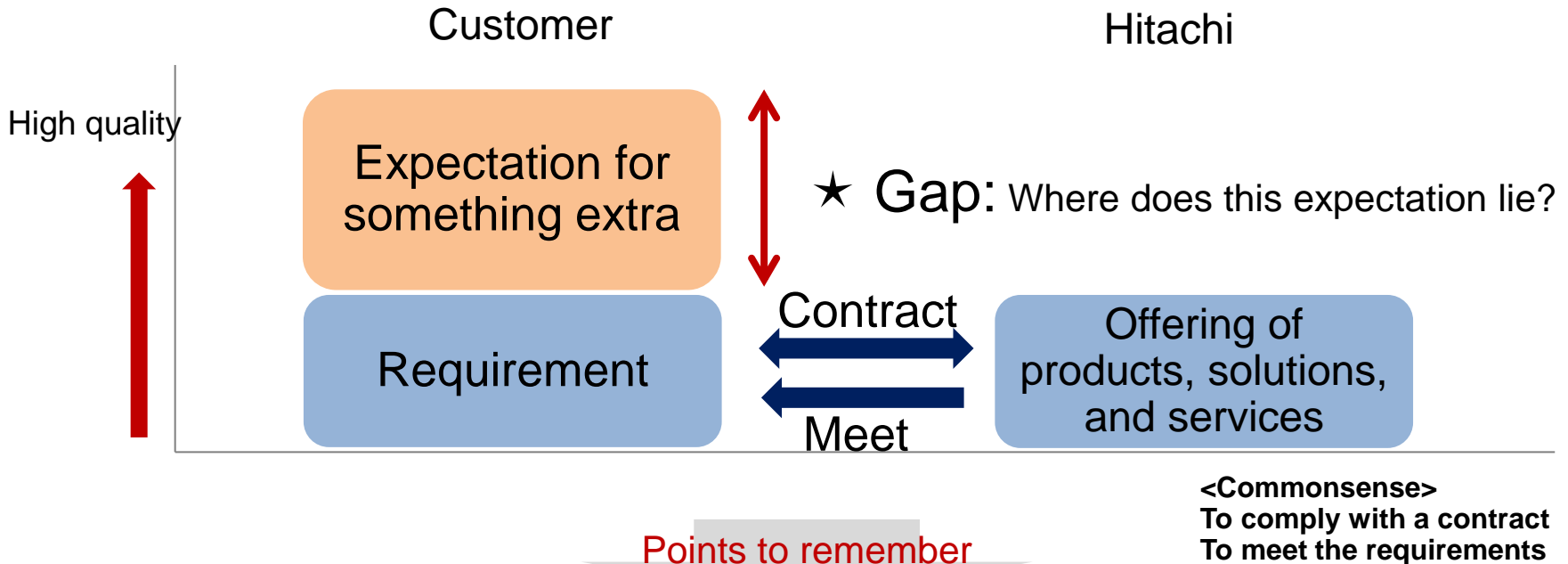
4-3 Points to Consider in Quality Management

What should we do to succeed with overseas companies?



4-2 Points to Consider the Expectation GAP

What should we do for improving customer service(CS)?



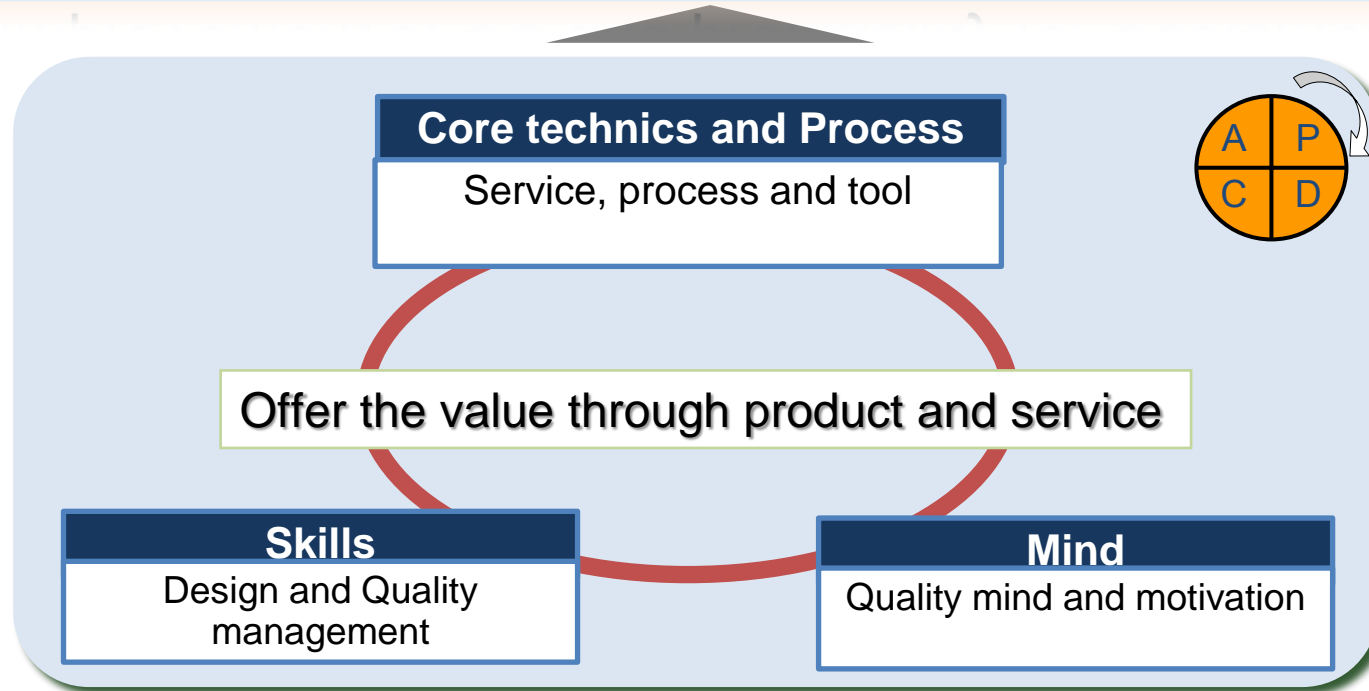
The key is the concretization & visualization of expectations.

1. Create templates.
2. Optimize the quality processes.
3. Maintain and improve the value of the brand.

What is the value for customers?

We provide “ the Value” through our product and service.

Improvement of CS and profitability for Customers

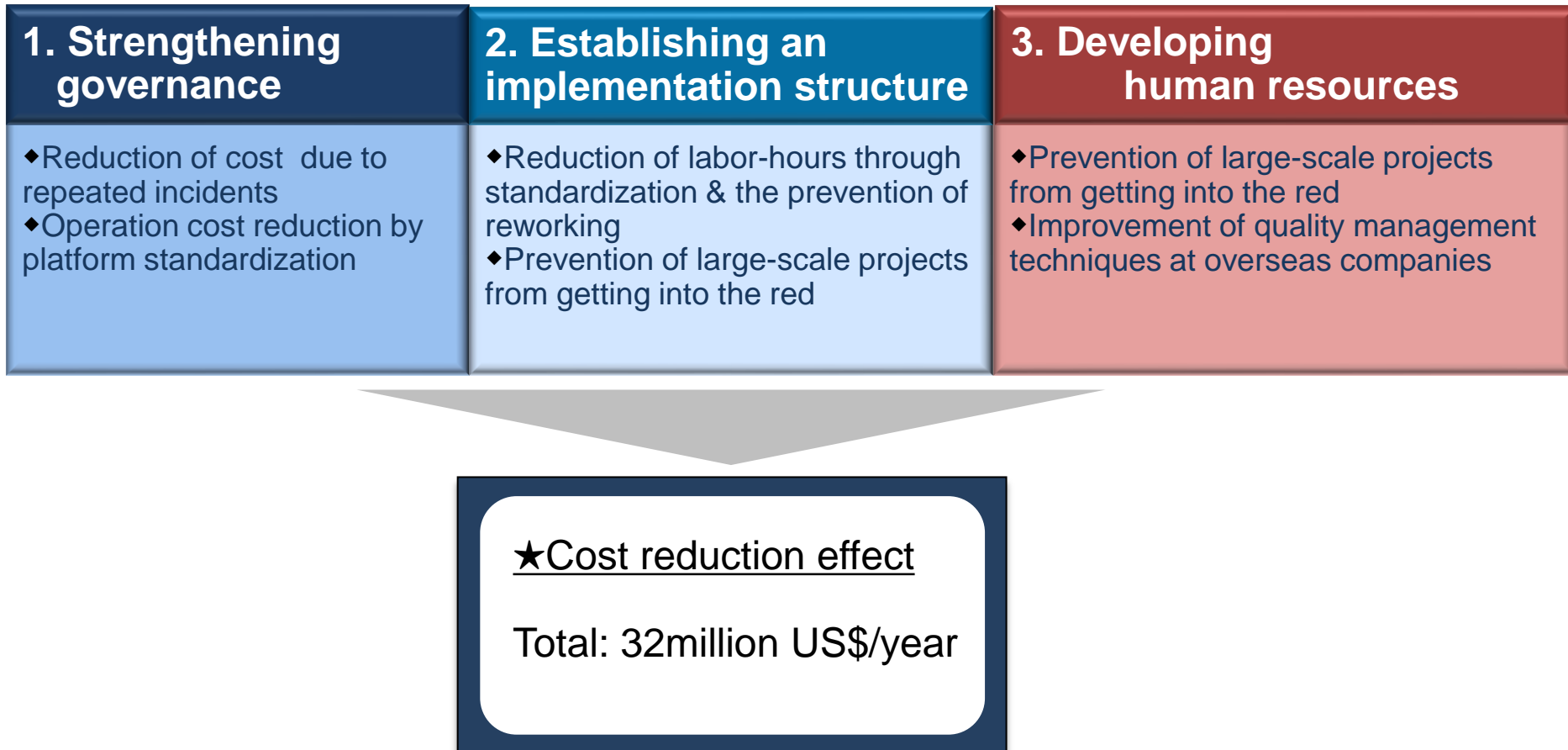


5. Predicted Effect

A horizontal bar spanning the width of the slide, featuring a red rectangular segment in the middle, flanked by grey segments.

5. Predicted Effect

We estimated cost reduction effect from past experiences.



6. Conclusion

6. Conclusion

Goal: Establish a global quality assurance structure and a HITACHI's quality brand

Contribute to business expansion on the global markets by maintaining and even improving the HITACHI quality brand

Three Strategies

Strengthening
governance

Establishing an
implementation
structure

Developing
human
resources

Three Operations

Points to
consider at the
organizational
level

Points to
consider the
expectation
GAP

Points to
consider in
quality
management

Challenges for the future

Cooperating closely
with
QA Managers

Improving the project
management
(Complicated project)

Defining the
QA role and tasks

END



Strategy for Global Quality Assurance

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