

## Reconstruction and Rehabilitation



Complex emergencies resulting from conflict or natural disasters cause widespread damage and suffering and often massive population displacement. They are dynamic, hard to predict and pose difficult questions over the timing, nature and scale of donor response.

Post-emergency reconstruction typically involves the repair and reconstruction of physical infrastructure plus interventions aimed at jump-starting the economy and rebuilding and maintaining key social infrastructure. It involves building confidence, self respect, self dependency, mutual trust and the development of a coordinated approach towards sustainability. The vulnerable and marginalised sectors of the community are often the primary stakeholders and partners in the empowerment process.

Cardno provides support that is community owned and monitored, socially and culturally acceptable, facilitates skill development and makes use of materials produced by village industries and rural artisans. We ensure early team mobilisation and ground assessment and continuous reworking of approaches to build confidence and capacity and to manage the medium term health, welfare and safety of communities in affected areas.

Our approach includes empowering local communities to ensure locally-driven outcomes; re-establishing and reinvigorating

social networks; supporting income generation activities for target households; skill transfer and capacity building; value for money; and a partnership approach to managing costs, corruption and fraud by working with community leaders to plan, manage and implement construction projects.

Poverty and vulnerability to disasters are closely linked, as the poorest live in the highest risk areas. We empower local communities to ensure locally-driven outcomes.



Cardno's teams are committed to improving communities post-disaster or conflict. Our experience is diverse and comprehensive.

### **School Reconstruction Program, Indonesia**

**Client** USAID and AusAID  
**Company** Cardno Emerging Markets (Australia)

This joint USAID and AusAID funded program is rebuilding schools following the devastating earthquakes in West Java and West Sumatra in 2009. The program:

- ▶ Assists national and local Governments to restore and improve access to education; and,
- ▶ Provides technical support to school communities to manage community driven construction, enhancing the economic livelihoods of local communities involved in the reconstruction process.

### **Post-Tsunami Reconstruction Works, Dhuvaafaru Island, Maldives**

**Client** Maldivian Housing and Infrastructure Re-Development Unit (HIRU)  
**Donor** International Federation of Red Cross and Red Crescent Societies (IFRC)  
**Company** Cardno Emerging Markets (Australia)

This Project involved the development of Dhuvaafaru Island for the resettlement of persons displaced by the Asian Tsunami, including:

- ▶ Site Supervision and Contract Administration including Environmental Control for all projects;
- ▶ Construction of 600 houses including water supply, sewerage, electrical and telecommunications;
- ▶ Building schools, an island administrative complex, a community centre and guest house, a sports ground and a desalination plant;
- ▶ Electricity networks and necessary connections to all units included in Projects; and,
- ▶ Reviving the livelihood of the people and creating conditions for sustained economic recovery.

### **Post Conflict Rehabilitation and Capacity Building Program for the Implementation of the Community Rehabilitation Component, Liberia**

**Client** Government of Liberia  
**Donor** European Commission  
**Company** Cardno Emerging Markets (UK)

The objective is to encourage and accelerate the process of social and economic rehabilitation post-war as well as the reintegration of ex-combatants. This includes contributing to the physical rehabilitation of basic services. Cardno provides overall management of the Program aims including:

- ▶ Improved access to basic services, including health, education and water;
- ▶ Improved co-ordination and planning, increasingly led by decentralised institutions; and,
- ▶ Increased economic activity and employment opportunities.

### **Community Development Initiative, Pujehun, Sierra Leone**

**Client** Government of Sierra Leone  
**Donor** Department for International Development (DFID)  
**Company** Cardno Emerging Markets (UK)

Cardno supported the Government of Sierra Leone in restoring civic infrastructure and delivering improved local government services in Pujehun District. The project helped to consolidate the gains achieved post-war and brought benefits to communities that had not received any significant donor support following the war including:

- ▶ Rehabilitation of physical infrastructure and restoration of civic authority and peace keeping;
- ▶ Economic revival and the creation of job opportunities through support to and creation of small businesses and farming associations;
- ▶ Restoration of transport infrastructure (roads, bridges and ferries); and,
- ▶ Improved access to water supply, sanitation and environmental health services, HIV and AIDS sensitisation.

### **Technical Assistance on Project Procurement, Quality Assurance and Monitoring for the 2005 Budget of BRR NAD – Aceh, Indonesia**

**Client** United Nations Development Program (UNDP)  
**Company** Cardno Emerging Markets (Australia)

This project involved the provision of quality assurance and monitoring for all construction and reconstruction projects implemented under Badan Rehabilitasi dan Rekonstruksi (the Indonesian government agency responsible for reconstruction of Aceh and Nias). The project team focused on:

- ▶ Verification that project outputs met specifications, cost and time requirements;
- ▶ Project procurement and implementation processes were in accordance with government procedures;
- ▶ Ensuring proper fund disbursement and accountability of government reconstruction funds;
- ▶ Identifying non-compliance and underperformance in order for corrective action to be initiated; and,
- ▶ Improving capacity of technical personnel within local government.

## **About Cardno**

Cardno is an integrated professional services provider, locally delivering the specialist advice to create or improve physical and social infrastructure that underpins communities around the globe. Our team is comprised of leading advisors who plan, design, manage and deliver sustainable projects and programs.

## **Contact**

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